

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062846.D
 Acq On : 4 Jun 2019 18:38
 Operator : FY/SY
 Sample : K3172-04
 Misc : 4.15u/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-B

Quant Time: Jun 05 05:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	93292	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	112895	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	51549	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	8568	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	10334	16.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.04%	
35) Dibromofluoromethane	4.29	113	3080	3.61	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	7.22%	
50) Toluene-d8	7.71	98	75056	34.79	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	69.58%	
62) 4-Bromofluorobenzene	11.49	95	11683	15.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	30.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.03	85	202	Below Cal	#	52
8) Diethyl Ether	1.73	74	487	1.823	ug/l	80
11) Tert butyl alcohol	2.68	59	708	18.116	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	1109	1.430	ug/l #	7
13) Acrolein	2.00	56	966	55.508	ug/l	87
14) Allyl chloride	2.19	41	1369	2.276	ug/l #	32
15) Acrylonitrile	3.09	53	147	1.001	ug/l #	19
16) Acetone	2.44	43	1035	7.010	ug/l	100
18) Methyl Acetate	2.57	43	1078	4.178	ug/l	99
20) Methylene Chloride	2.37	84	620	Below Cal	#	11
21) trans-1,2-Dichloroethene	2.44	96	866	1.114	ug/l #	17
29) Tetrahydrofuran	4.28	42	926	7.041	ug/l #	29
37) Ethyl Acetate	4.30	43	968	2.437	ug/l #	36
41) Methacrylonitrile	4.90	41	1043	4.722	ug/l #	58
43) Isopropyl Acetate	7.10	43	637	1.214	ug/l #	98
48) Methyl methacrylate	6.85	41	2023	7.479	ug/l #	7
49) 1,4-Dioxane	6.85	88	292	81.904	ug/l #	40
51) 4-Methyl-2-Pentanone	8.47	43	1026	2.738	ug/l	89
52) Toluene	7.79	92	1701	1.044	ug/l	81
56) Ethyl methacrylate	8.77	69	647	1.239	ug/l #	25
58) 2-Chloroethyl Vinyl ether	7.46	63	471	2.581	ug/l	96
67) Ethyl Benzene	10.03	91	1920	1.124	ug/l #	82
69) o-Xylene	10.81	106	1150	1.738	ug/l #	15
70) Styrene	10.88	104	4009	4.110	ug/l #	75
73) Isopropylbenzene	11.22	105	1247	2.086	ug/l	79
74) N-amyl acetate	11.49	43	913	5.418	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.79	83	558	4.371	ug/l #	25
76) 1,2,3-Trichloropropane	11.90	75	205	2.422	ug/l #	1
77) Bromobenzene	11.61	156	322	2.144	ug/l #	24
78) n-propylbenzene	11.67	91	1637	2.268	ug/l	97
79) 2-Chlorotoluene	11.67	91	1637	3.963	ug/l	72
80) 1,3,5-Trimethylbenzene	11.89	105	1098	2.246	ug/l	76
81) trans-1,4-Dichloro-2-buten	11.94	75	159	4.438	ug/l #	28
82) 4-Chlorotoluene	11.98	91	856	2.109	ug/l #	34

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QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

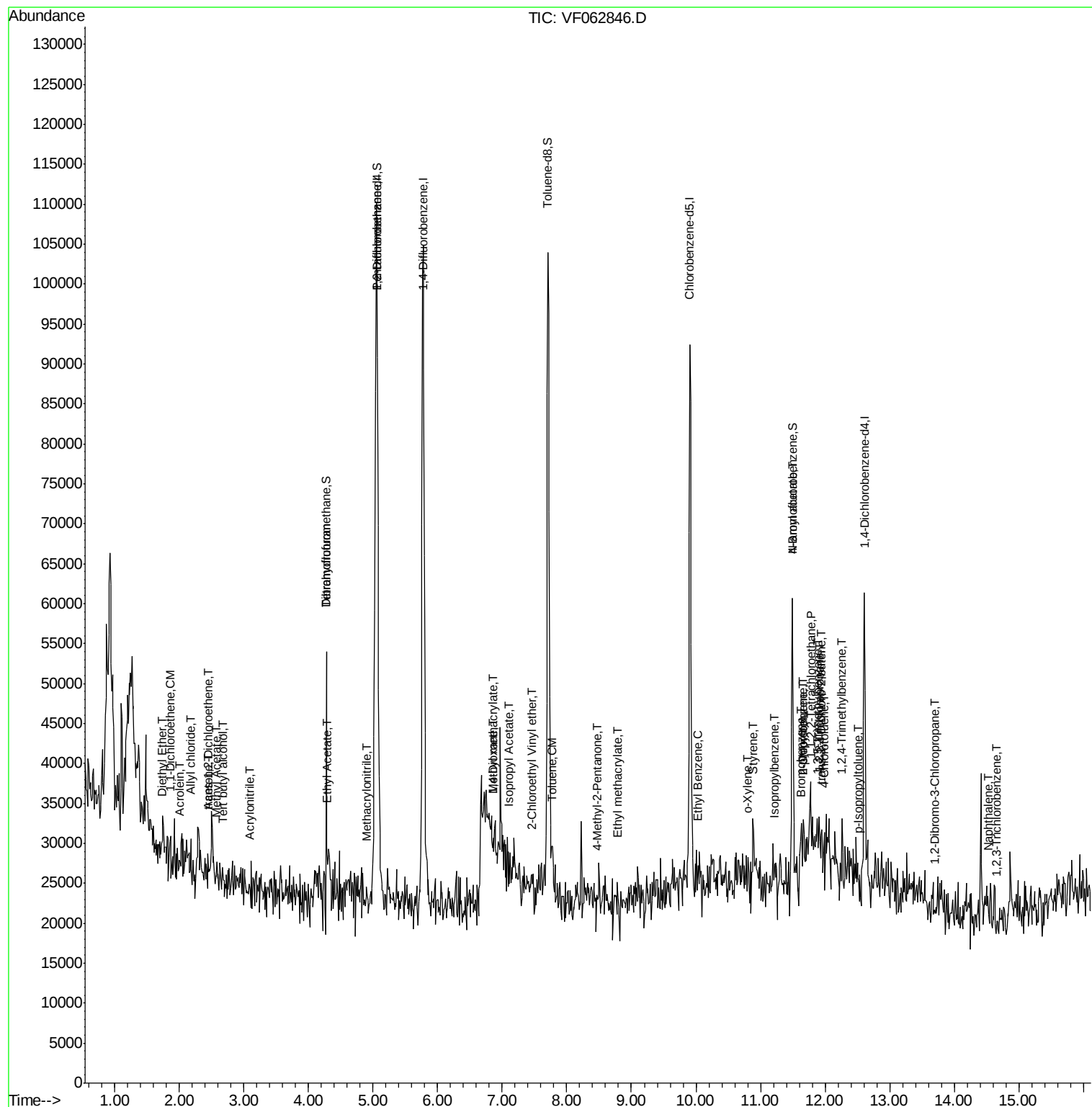
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.27	105	1876	4.047	ug/l	91
86) p-Isopropyltoluene	12.52	119	890	1.675	ug/l #	40
92) 1,2-Dibromo-3-Chloropropan	13.69	75	294	21.137	ug/l #	1
95) Naphthalene	14.52	128	371	1.416	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	197	1.350	ug/l #	11

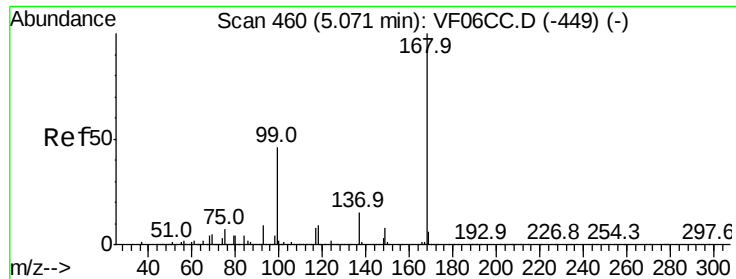
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

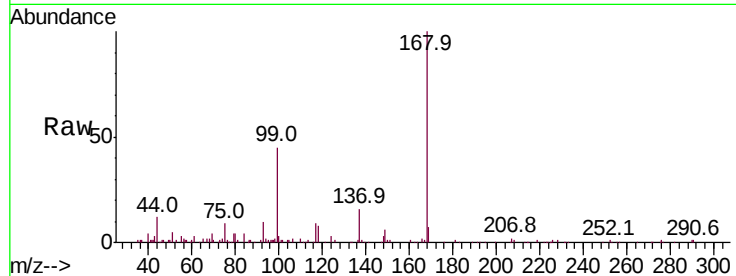
FK-SF-01-005-B

Tot Ion:168 Resp: 93292

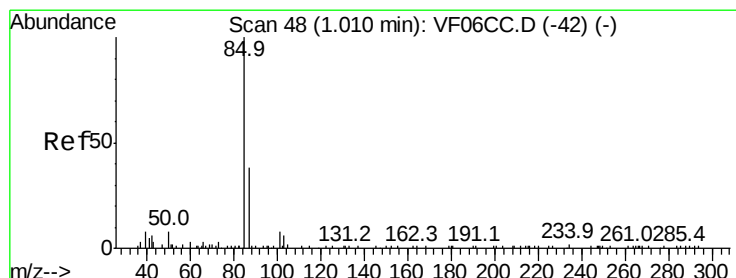
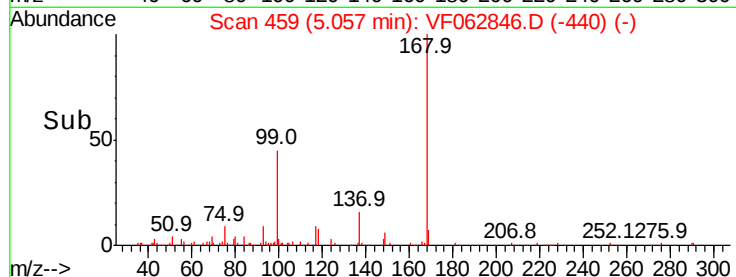
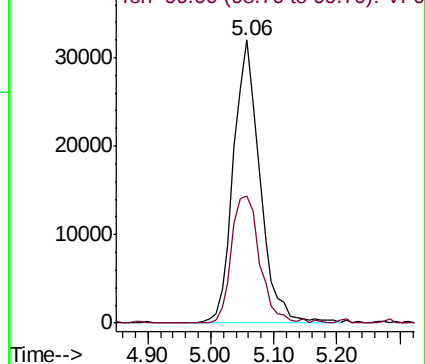
Ion Ratio Lower Upper

168 100

99 44.8 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF062846.D

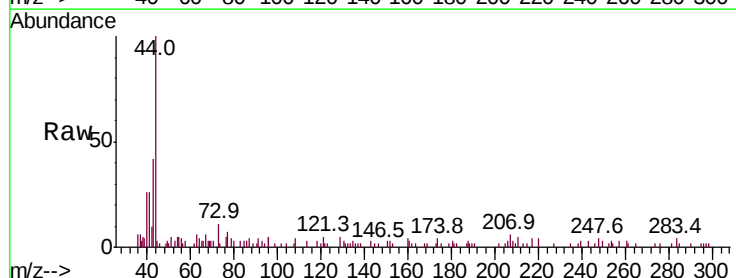
Acq: 4 Jun 2019 18:38

Tgt Ion: 85 Resp: 202

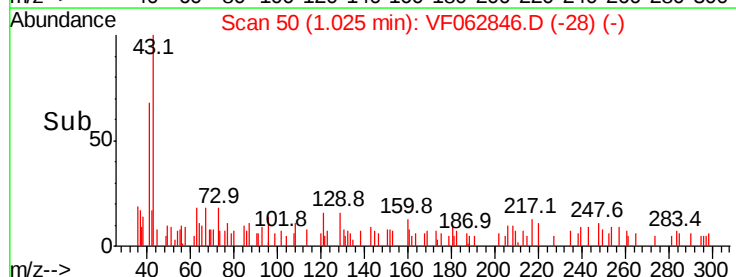
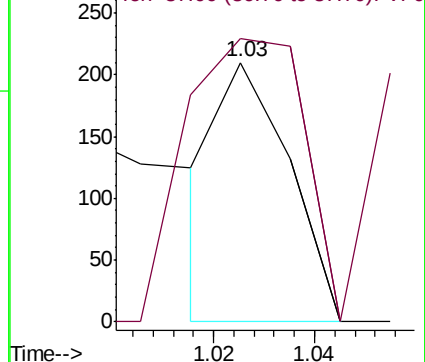
Ion Ratio Lower Upper

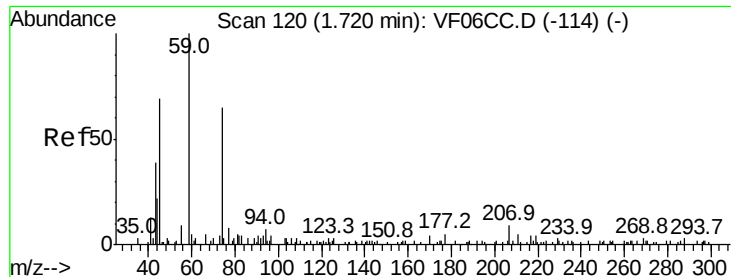
85 100

87 63.4 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#8

Diethyl Ether

Concen: 1.823 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

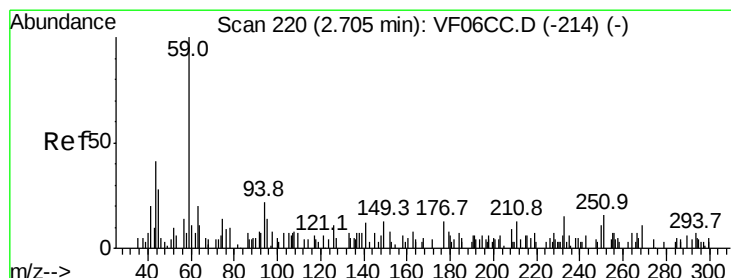
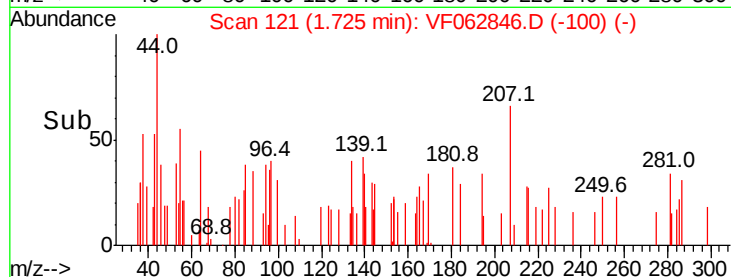
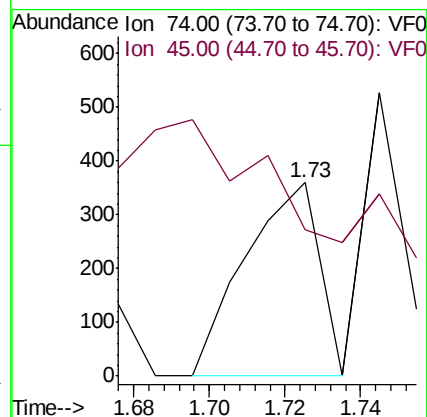
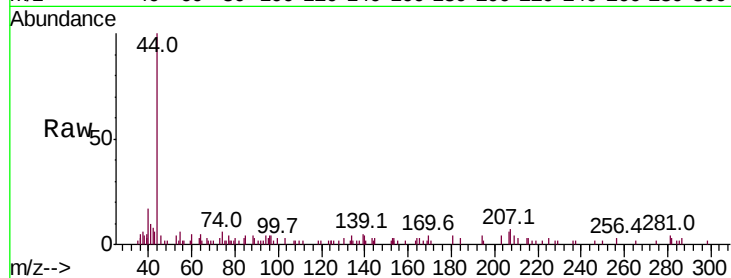
FK-SF-01-005-B

Tot Ion: 74 Resp: 487

Ion Ratio Lower Upper

74 100

45 75.8 47.5 142.5



#11

Tert butyl alcohol

Concen: 18.116 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.04 min

Lab File: VF062846.D

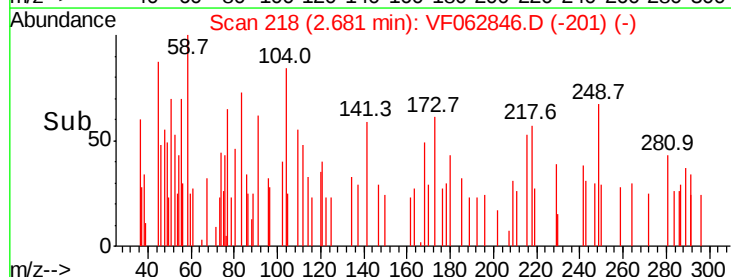
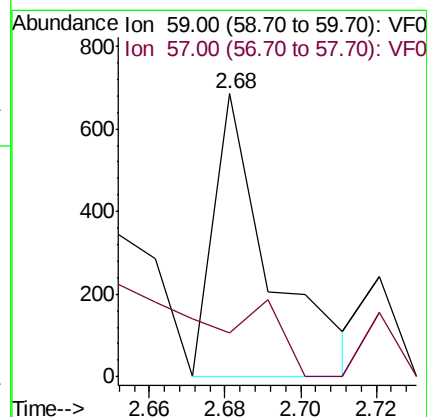
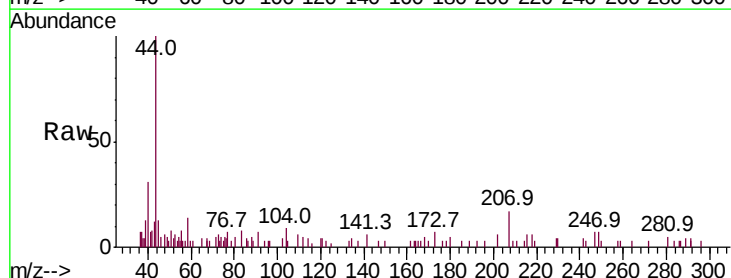
Acq: 4 Jun 2019 18:38

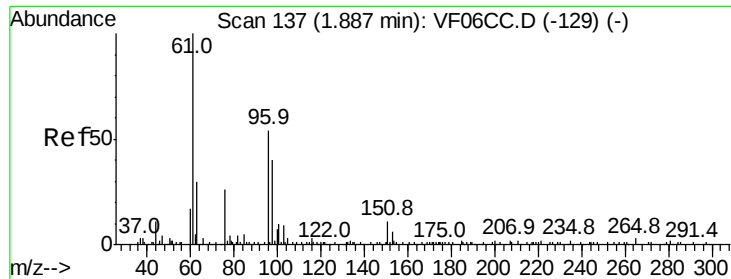
Tgt Ion: 59 Resp: 708

Ion Ratio Lower Upper

59 100

57 15.3 9.2 13.8#

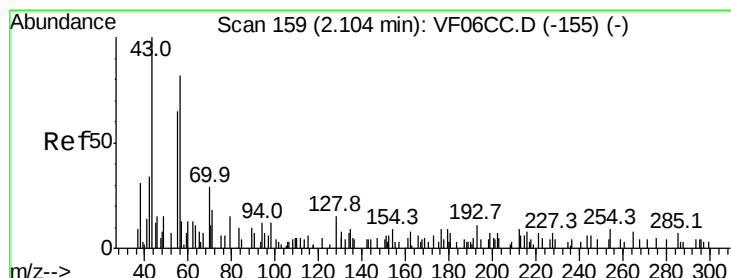
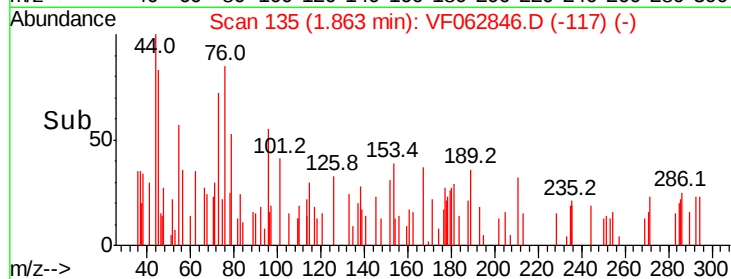
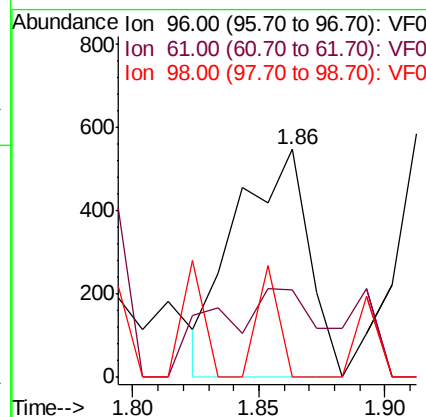
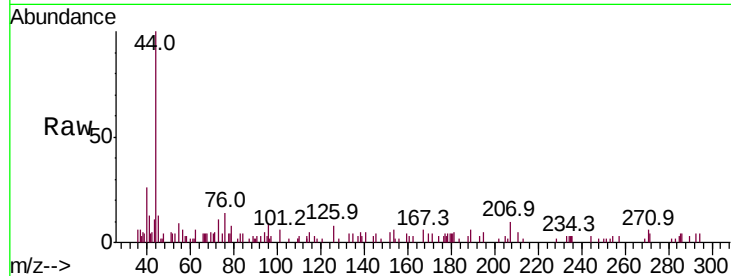




#12
 1,1-Dichloroethene
 Concen: 1.430 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.03 min
 Lab File: VF062846.D
 Acq: 4 Jun 2019 18:38

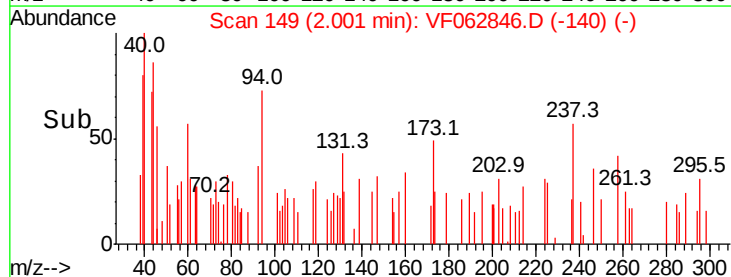
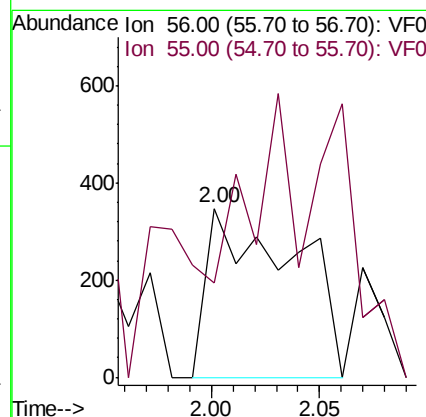
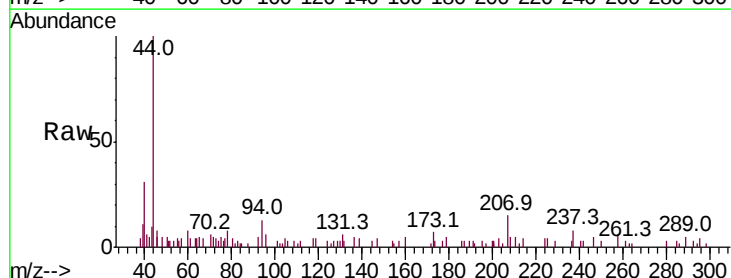
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-B

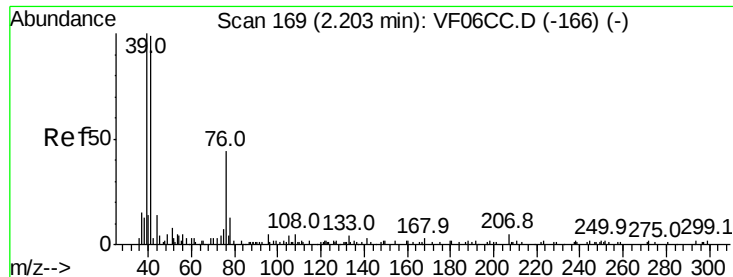
Tot Ion: 96 Resp: 1109
 Ion Ratio Lower Upper
 96 100
 61 38.2 139.4 209.2#
 98 0.0 50.3 75.5#



#13
 Acrolein
 Concen: 55.508 ug/l
 RT: 2.00 min Scan# 149
 Delta R.T. -0.11 min
 Lab File: VF062846.D
 Acq: 4 Jun 2019 18:38

Tgt Ion: 56 Resp: 966
 Ion Ratio Lower Upper
 56 100
 55 55.5 52.9 79.3





#14

Allvl chloride

Concen: 2.276 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.03 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

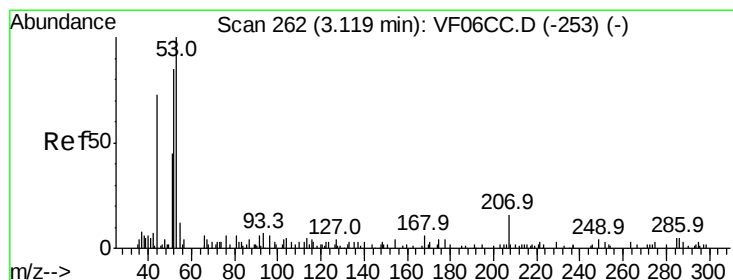
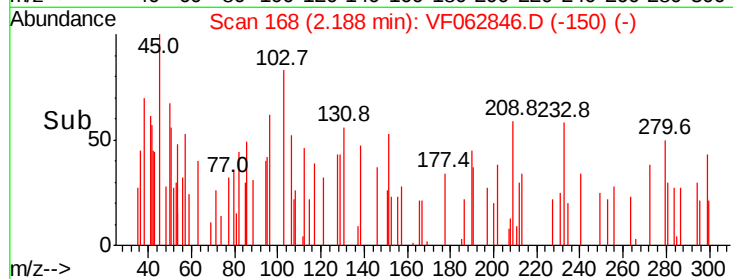
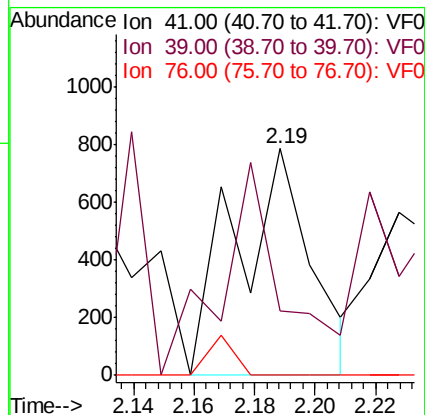
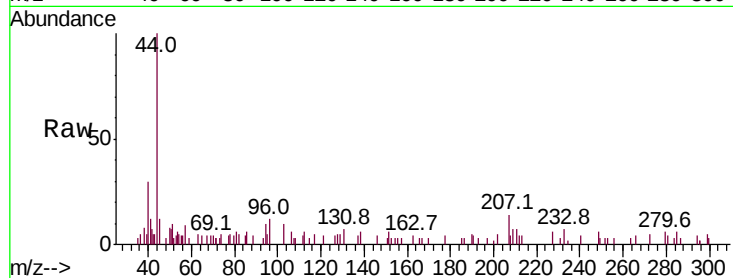
Tot Ion: 41 Resp: 1369

Ion Ratio Lower Upper

41 100

39 28.4 71.9 107.9#

76 0.0 39.6 59.4#



#15

Acrylonitrile

Concen: 1.001 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

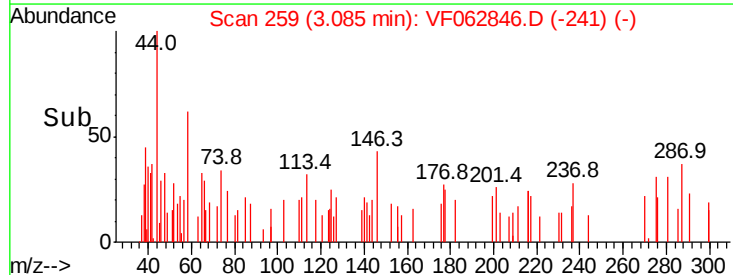
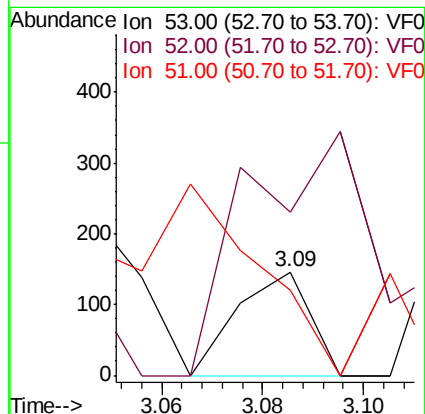
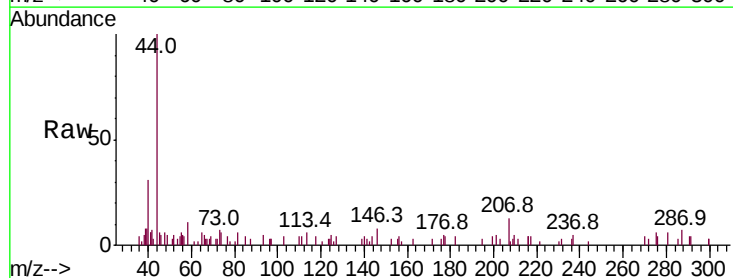
Tgt Ion: 53 Resp: 147

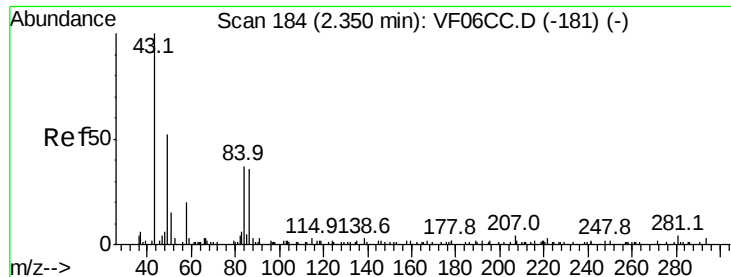
Ion Ratio Lower Upper

53 100

52 157.5 68.1 102.1#

51 82.9 27.7 41.5#

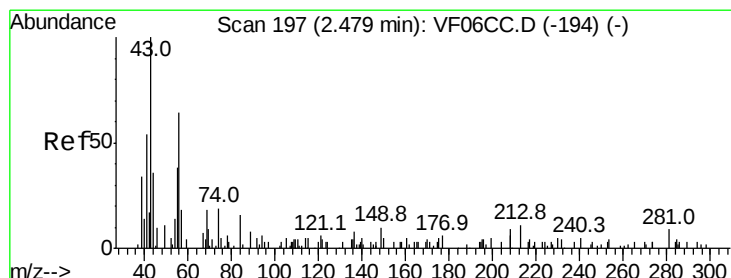
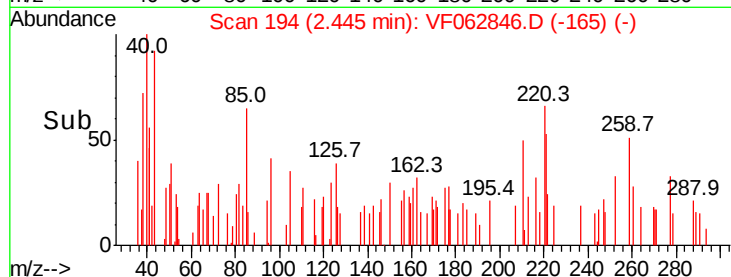
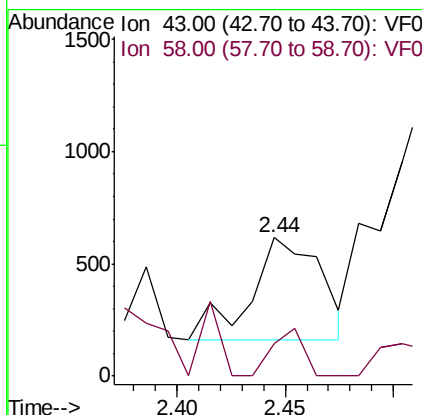
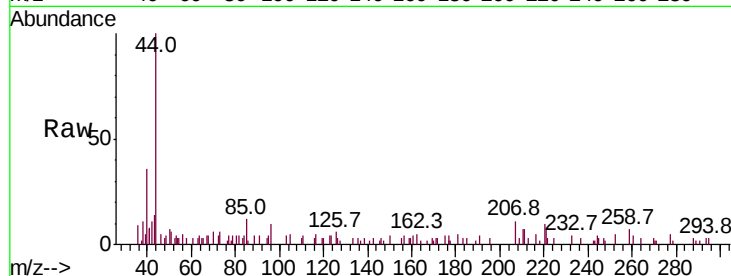




#16
Acetone
Concen: 7.010 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.08 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

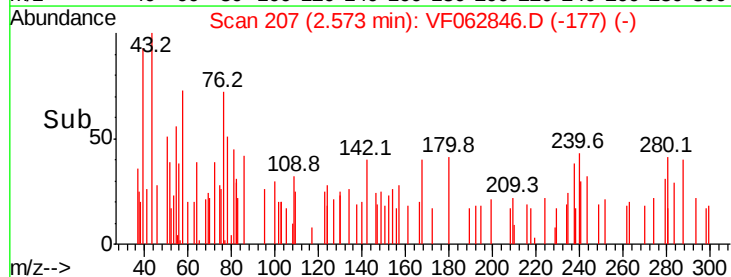
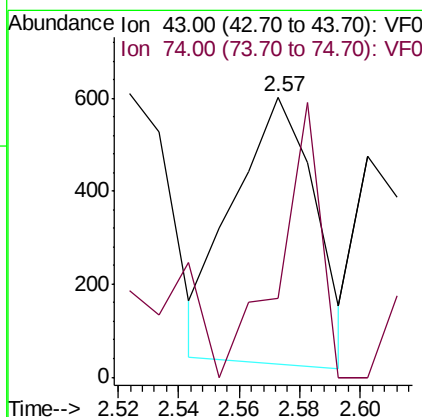
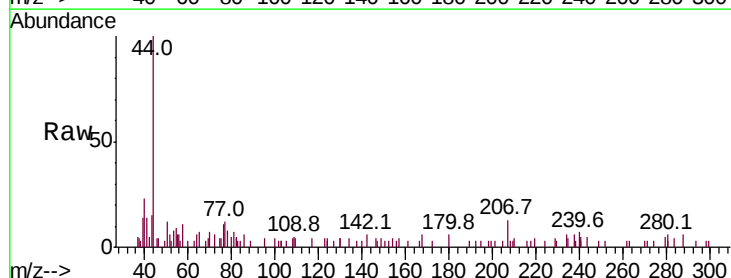
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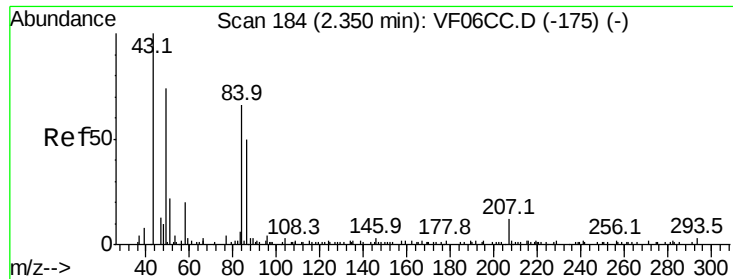
Tot Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
58 23.5 19.0 28.4



#18
Methyl Acetate
Concen: 4.178 ug/l
RT: 2.57 min Scan# 207
Delta R.T. 0.09 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
74 28.2 22.1 33.1





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

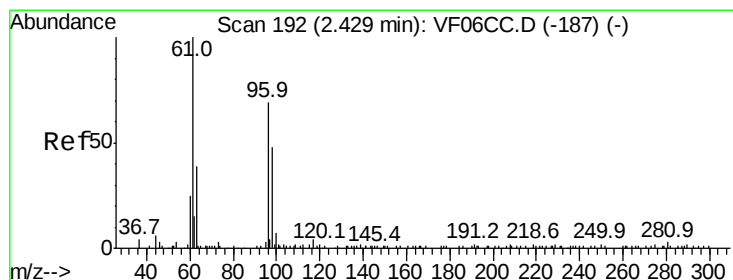
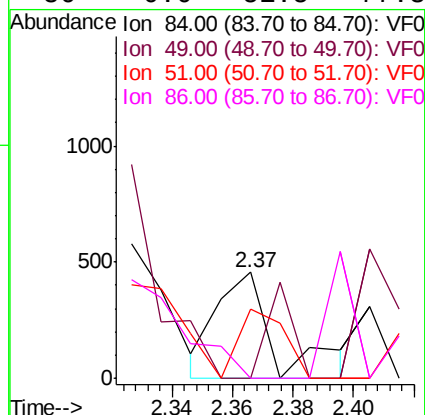
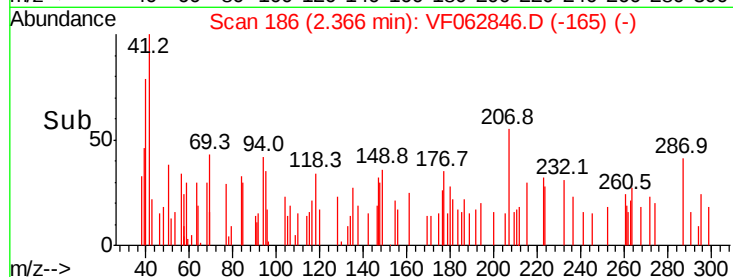
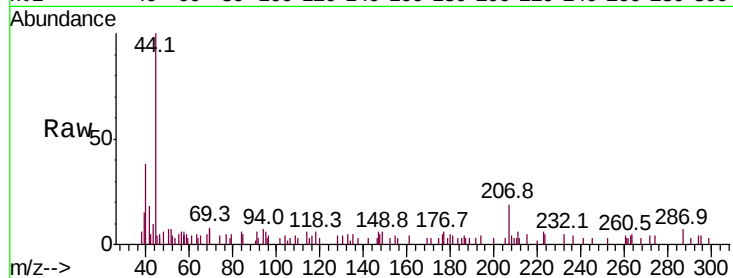
Lab File: VF062846.D

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Tot Ion: 84 Resp: 620

Ion	Ratio	Lower	Upper
84	100		
49	0.0	82.6	123.8#
51	65.1	25.0	37.4#
86	0.0	51.5	77.3#



#21

trans-1,2-Dichloroethene

Concen: 1.114 ug/l

RT: 2.44 min Scan# 194

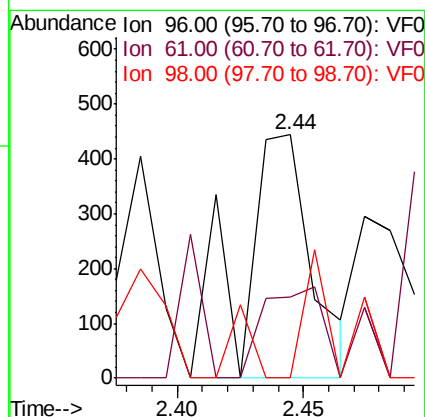
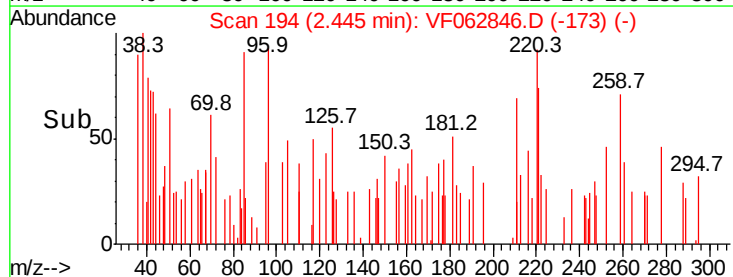
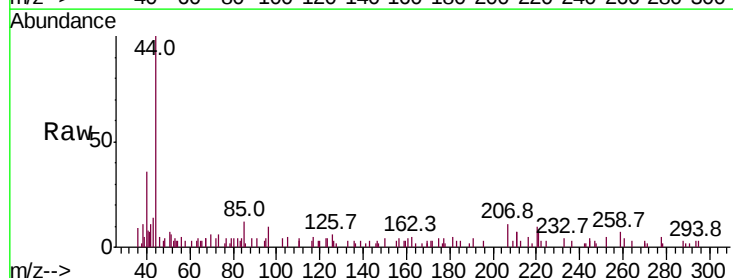
Delta R.T. 0.00 min

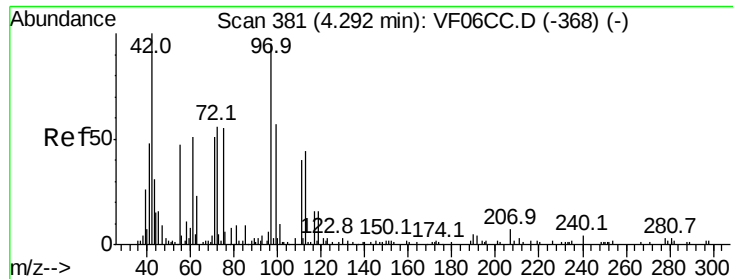
Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Tgt Ion: 96 Resp: 866

Ion	Ratio	Lower	Upper
96	100		
61	33.3	105.0	157.6#
98	0.0	51.1	76.7#





#29

Tetrahydrofuran

Concen: 7.041 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062846.D

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FK-SF-01-005-B

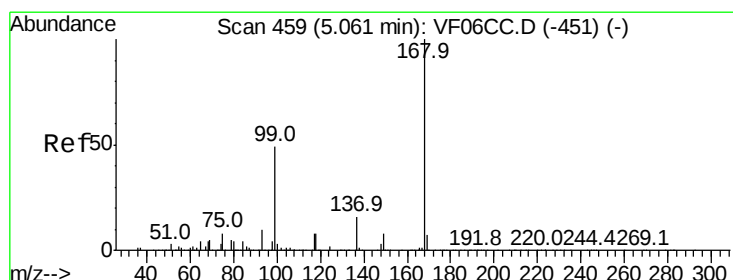
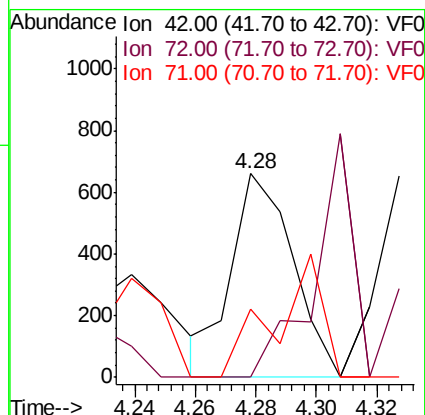
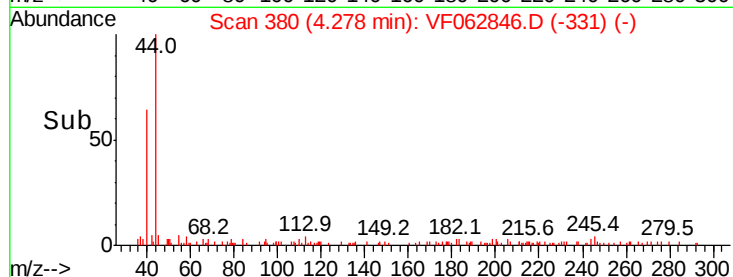
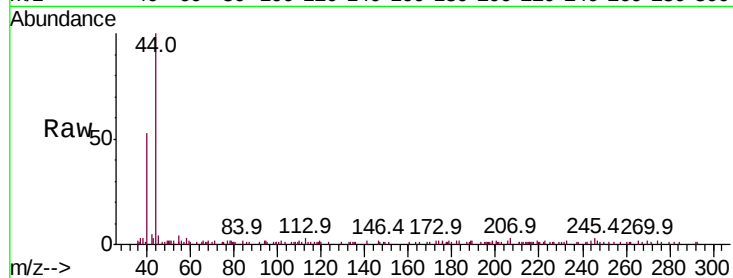
Tot Ion: 42 Resp: 926

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.6#

71 0.0 36.9 55.3#



#33

1,2-Dichloroethane-d4

Concen: 16.019 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062846.D

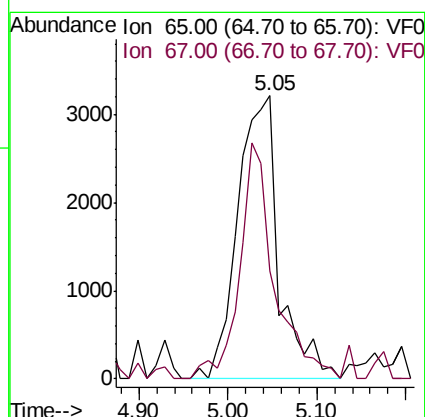
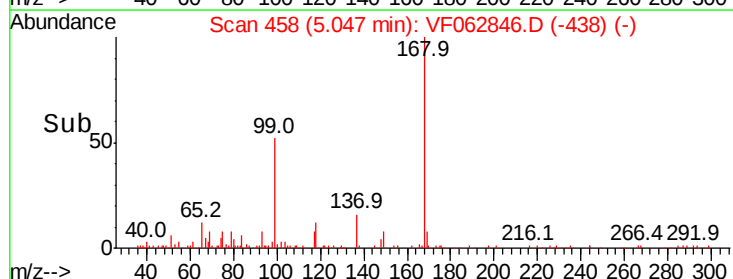
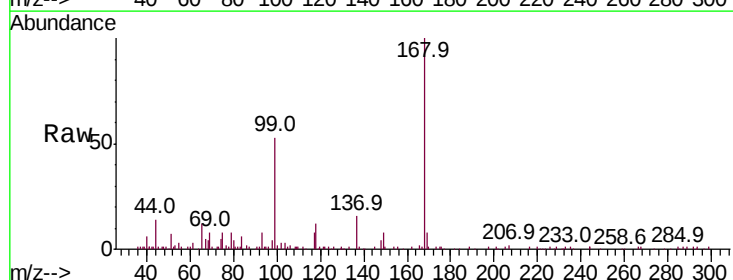
Acq: 4 Jun 2019 18:38

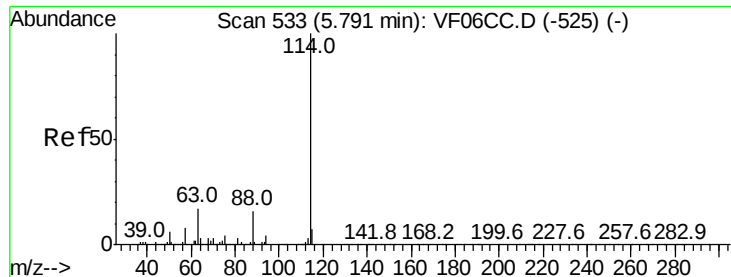
Tgt Ion: 65 Resp: 10334

Ion Ratio Lower Upper

65 100

67 38.0 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

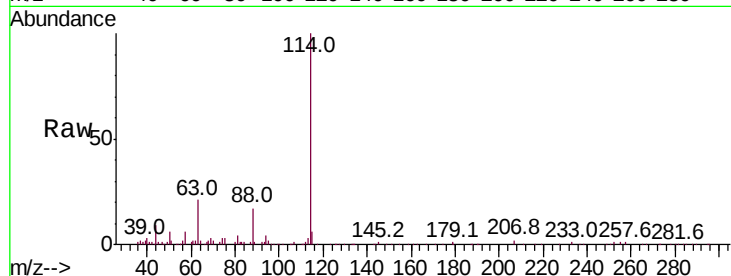
Tot Ion:114 Resp: 112895

Ion Ratio Lower Upper

114 100

63 20.6 0.0 34.2

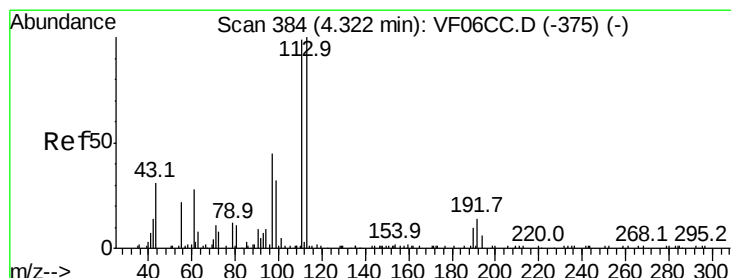
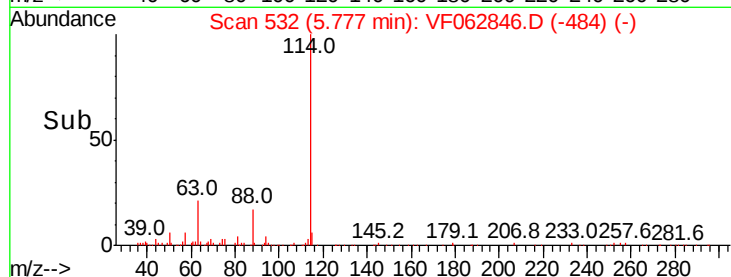
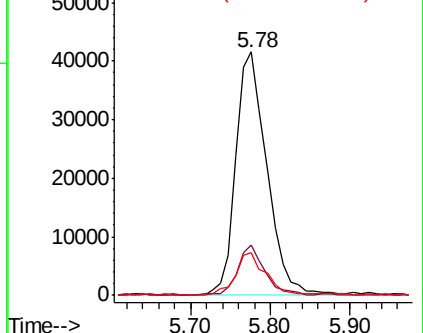
88 17.4 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 3.610 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.05 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

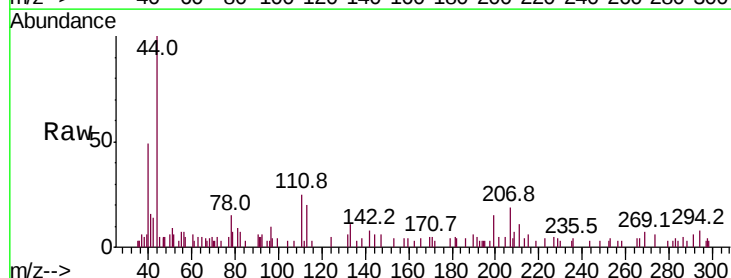
Tgt Ion:113 Resp: 3080

Ion Ratio Lower Upper

113 100

111 124.0 81.9 122.9#

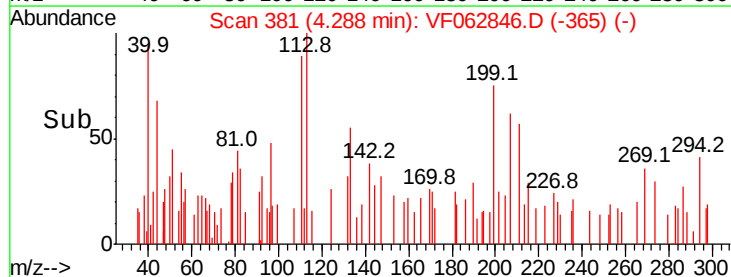
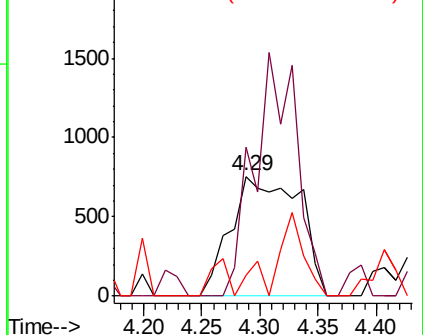
192 17.0 15.1 22.7

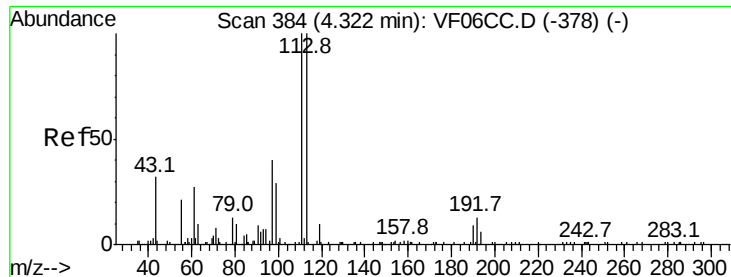


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

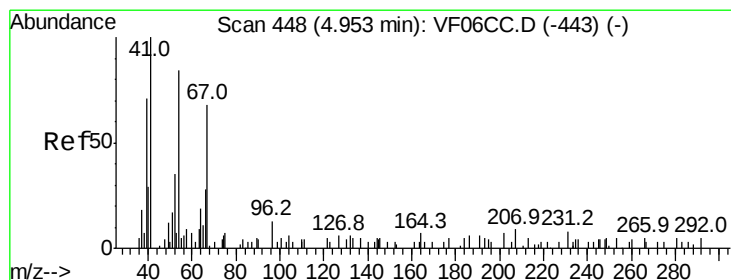
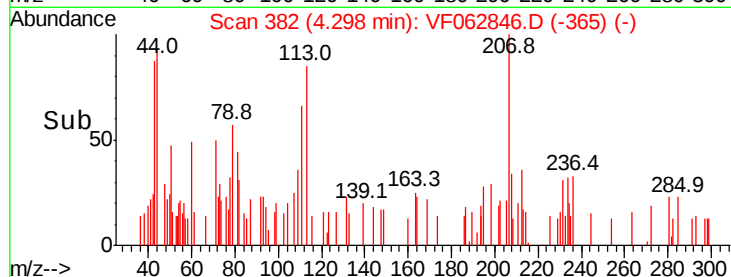
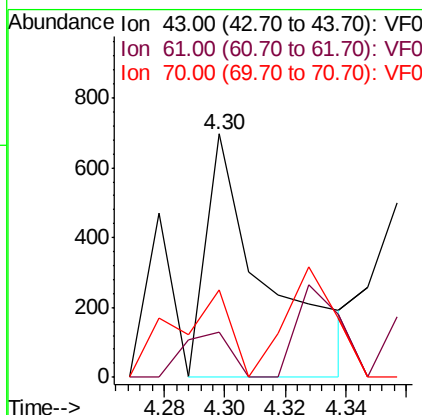
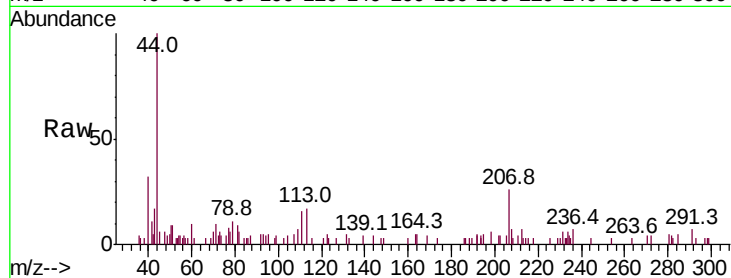




#37
Ethyl Acetate
Concen: 2.437 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.04 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

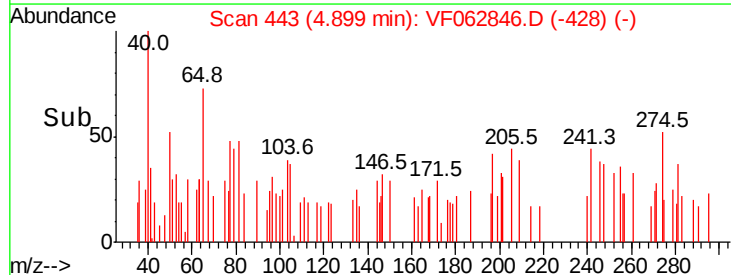
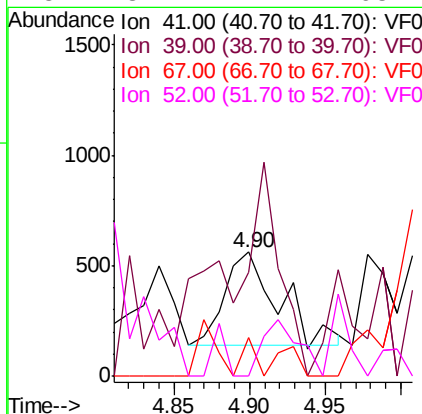
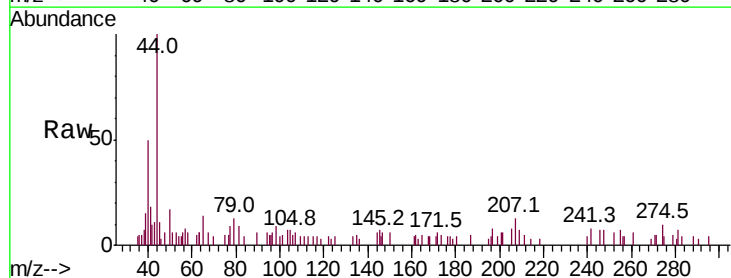
Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-B

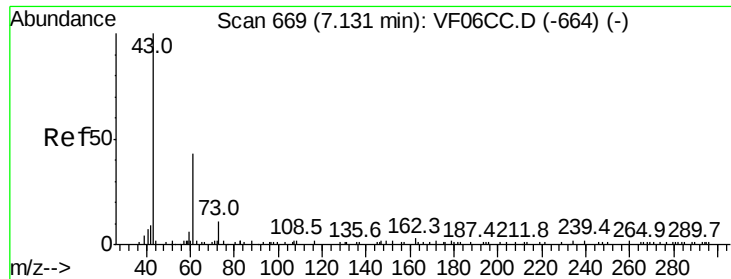
Tot Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
61 18.8 59.1 88.7#
70 35.9 10.1 15.1#



#41
Methacrylonitrile
Concen: 4.722 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.06 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

Tgt Ion: 41 Resp: 1043
Ion Ratio Lower Upper
41 100
39 83.4 42.0 63.0#
67 31.2 61.4 92.0#
52 34.2 42.1 63.1#





#43

Isopropyl Acetate

Concen: 1.214 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.04 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

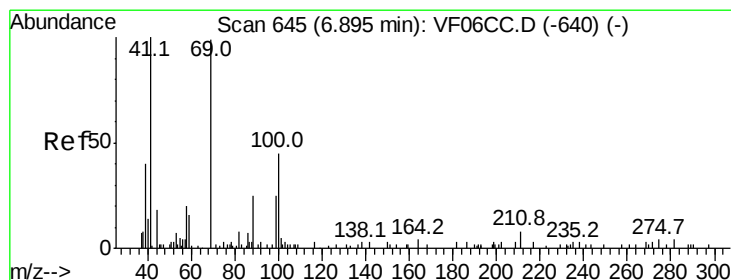
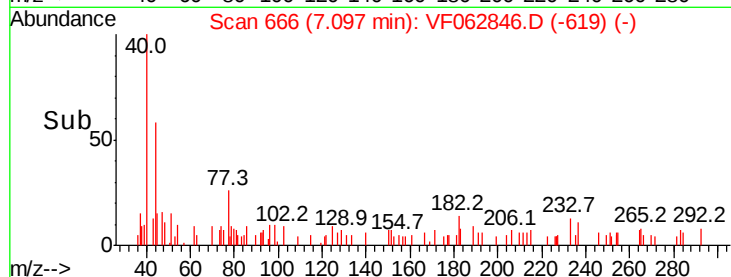
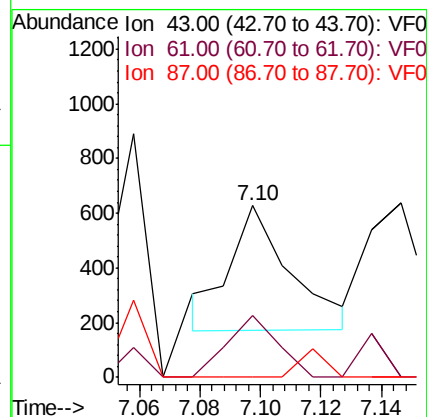
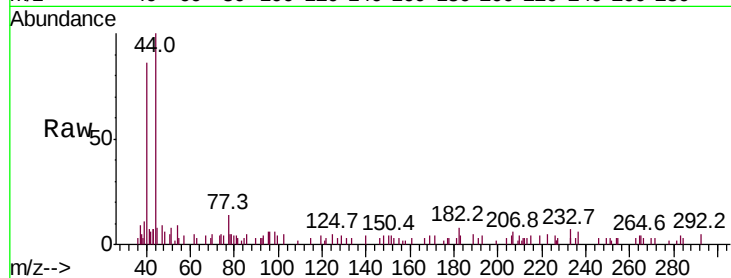
Tot Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

61 35.9 29.8 44.6

87 0.0 0.3 0.5#



#48

Methyl methacrylate

Concen: 7.479 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.05 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

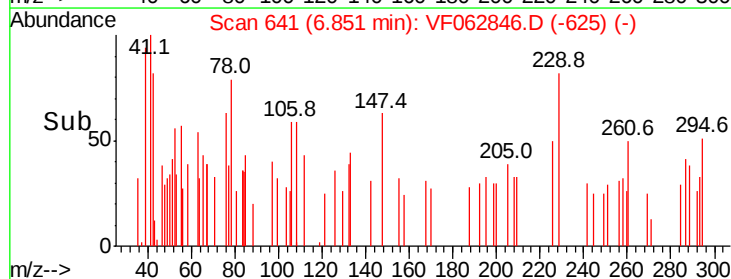
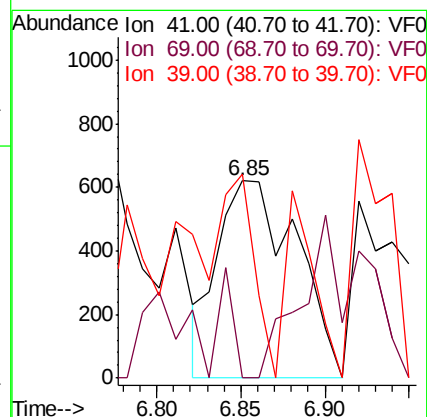
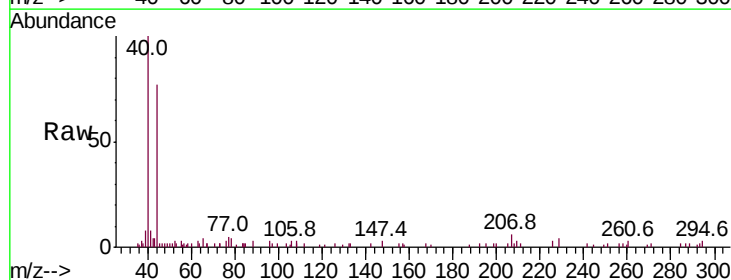
Tgt Ion: 41 Resp: 2023

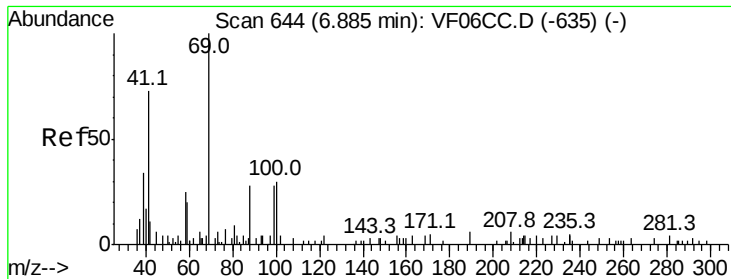
Ion Ratio Lower Upper

41 100

69 0.0 79.4 119.2#

39 103.5 39.8 59.6#





#49

1,4-Dioxane

Concen: 81.904 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.04 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

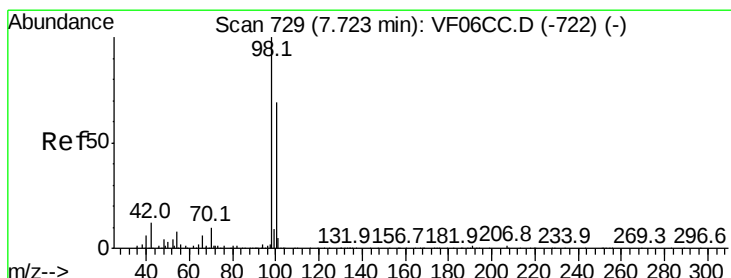
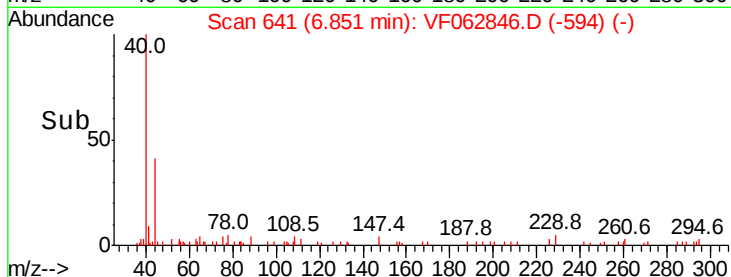
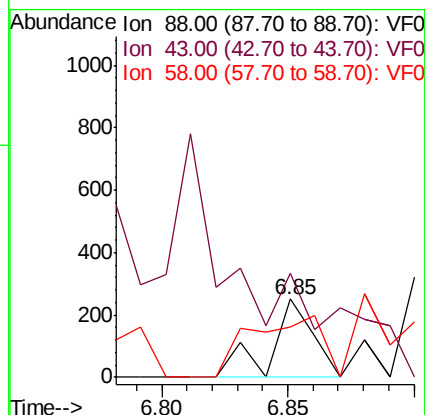
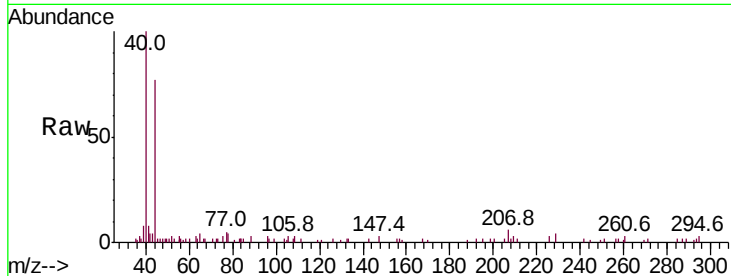
Tot Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

43 134.4 34.8 52.2#

58 64.0 59.9 89.9



#50

Toluene-d8

Concen: 34.792 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.03 min

Lab File: VF062846.D

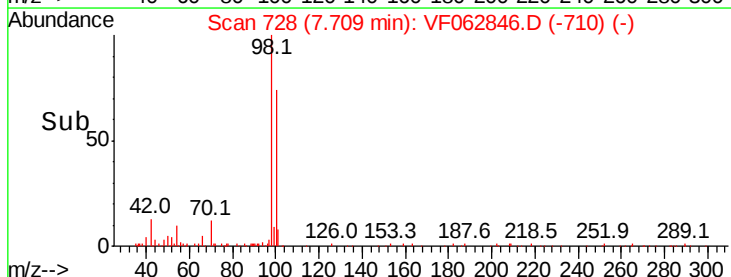
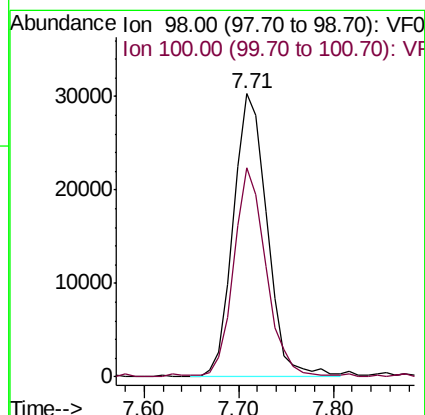
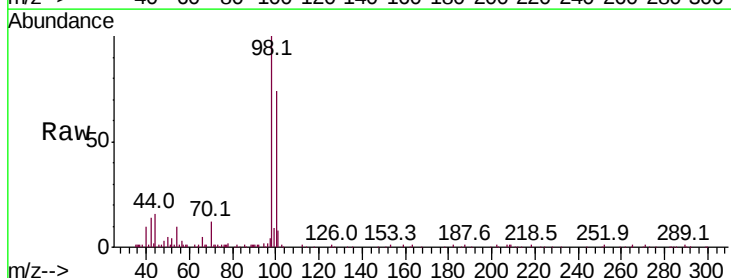
Acq: 4 Jun 2019 18:38

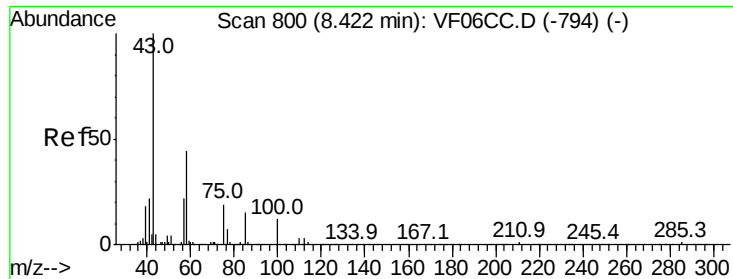
Tgt Ion: 98 Resp: 75056

Ion Ratio Lower Upper

98 100

100 74.1 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 2.738 ug/l

RT: 8.47 min Scan# 805

Delta R.T. 0.04 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

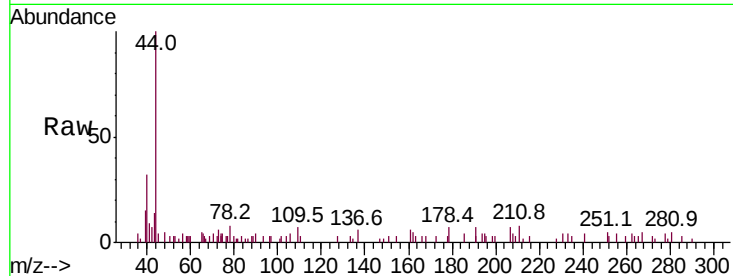
FK-SF-01-005-B

Tot Ion: 43 Resp: 1026

Ion Ratio Lower Upper

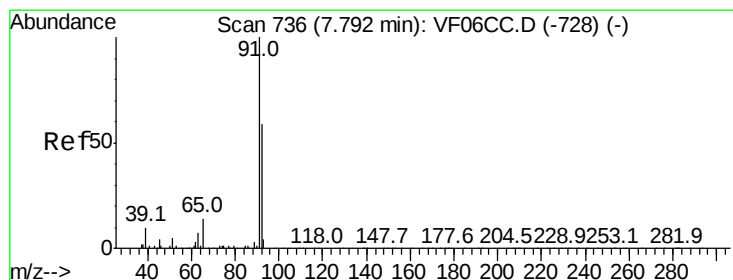
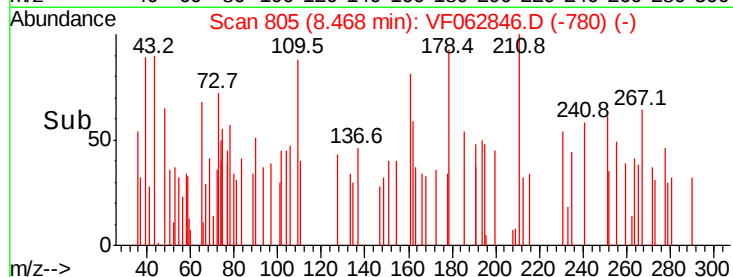
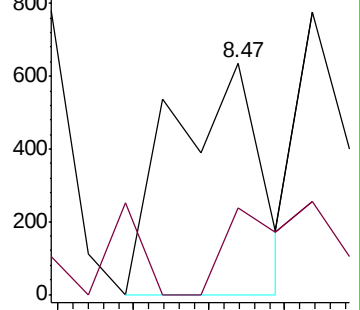
43 100

58 37.3 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 1.044 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062846.D

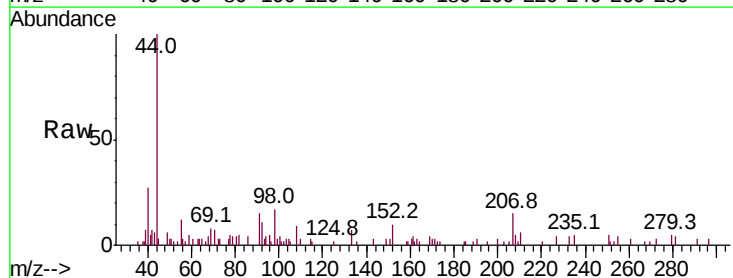
Acq: 4 Jun 2019 18:38

Tgt Ion: 92 Resp: 1701

Ion Ratio Lower Upper

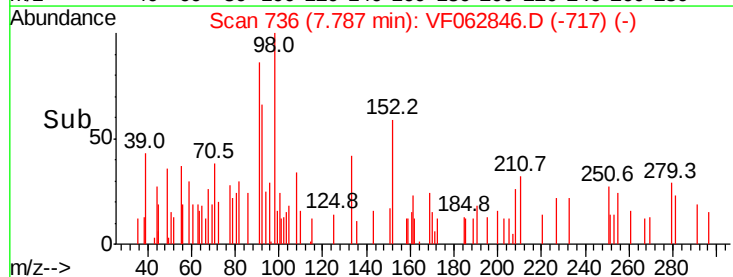
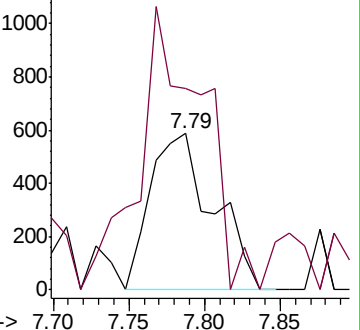
92 100

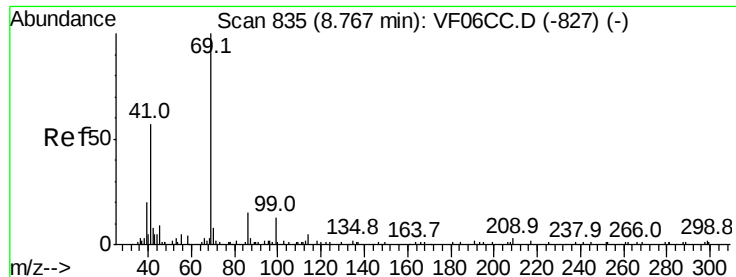
91 129.1 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 1.239 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

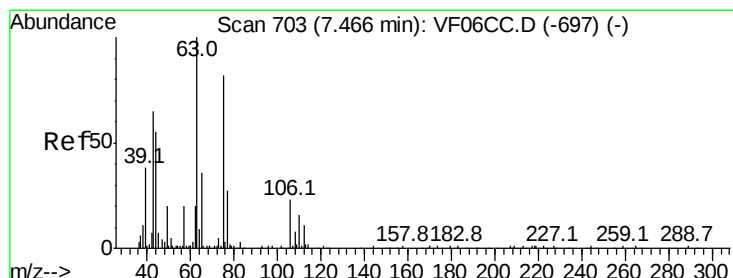
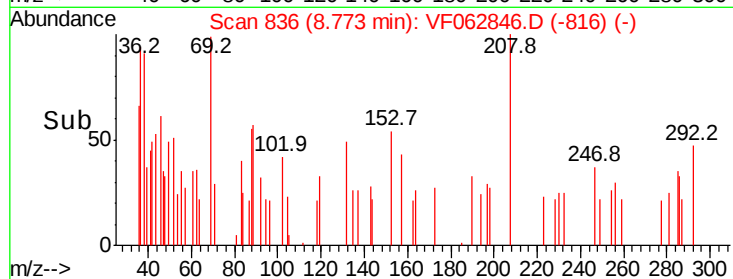
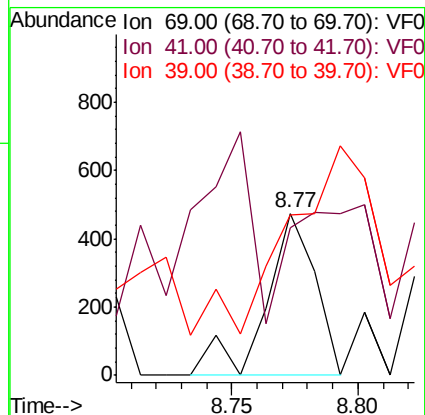
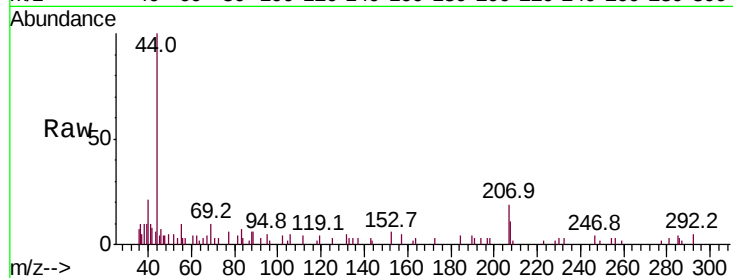
Tot Ion: 69 Resp: 647

Ion Ratio Lower Upper

69 100

41 90.9 46.6 69.8#

39 98.9 19.6 29.4#



#58

2-Chloroethyl Vinyl ether

Concen: 2.581 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062846.D

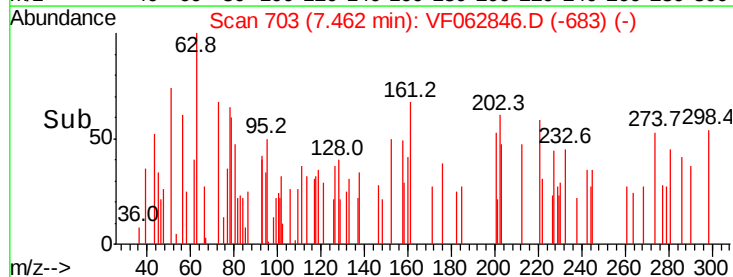
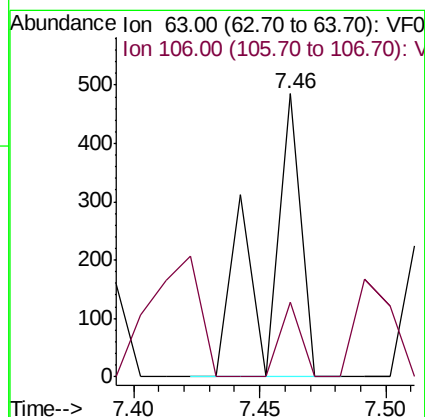
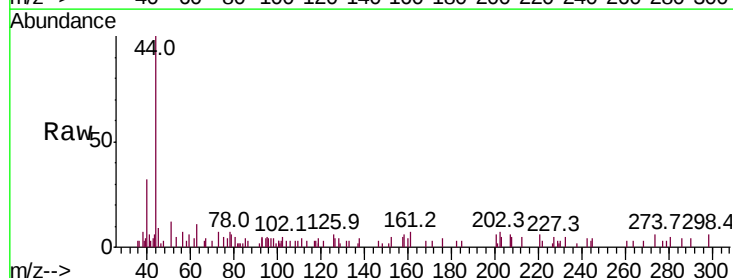
Acq: 4 Jun 2019 18:38

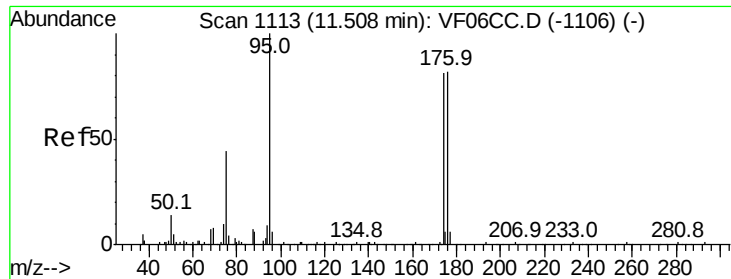
Tgt Ion: 63 Resp: 471

Ion Ratio Lower Upper

63 100

106 26.4 19.5 29.3





#62

4-Bromofluorobenzene

Concen: 15.055 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

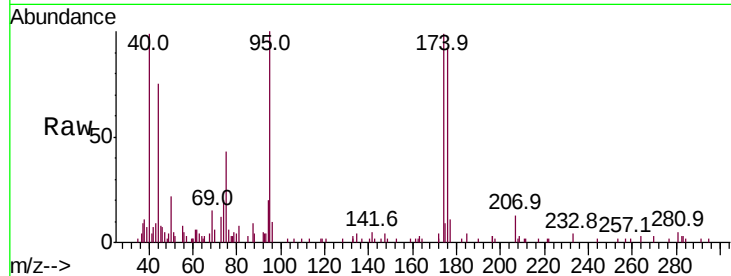
Tot Ion: 95 Resp: 11683

Ion Ratio Lower Upper

95 100

174 108.1 0.0 170.6

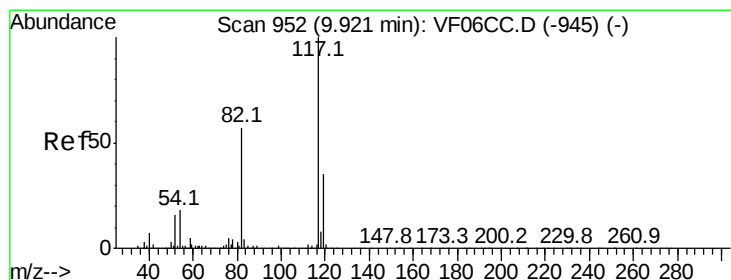
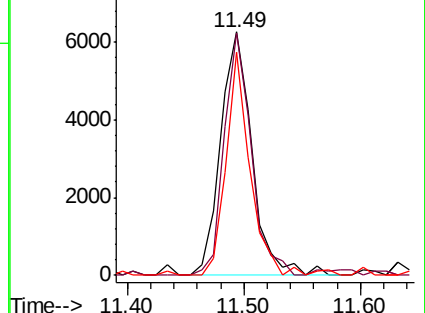
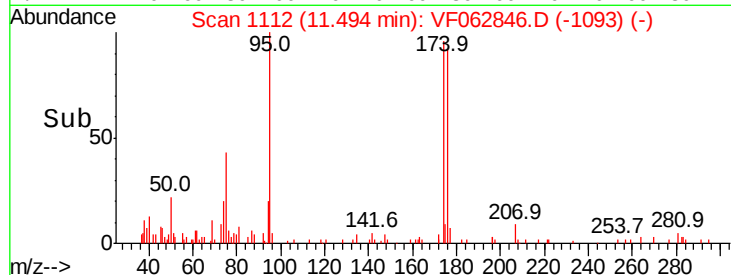
176 91.6 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

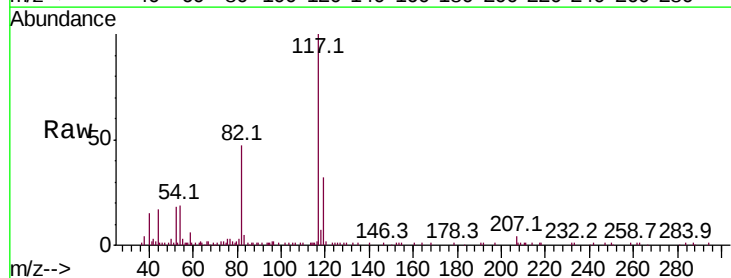
Tgt Ion: 117 Resp: 51549

Ion Ratio Lower Upper

117 100

82 47.0 42.4 63.6

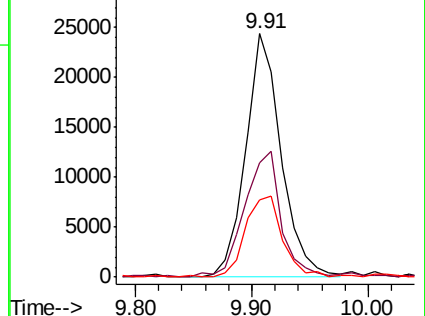
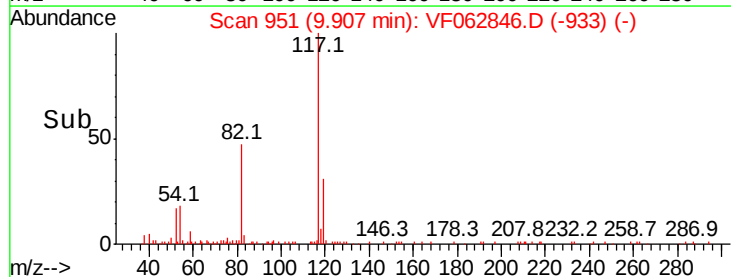
119 31.8 27.1 40.7

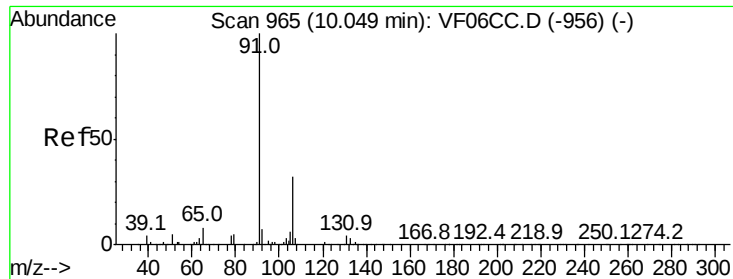


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

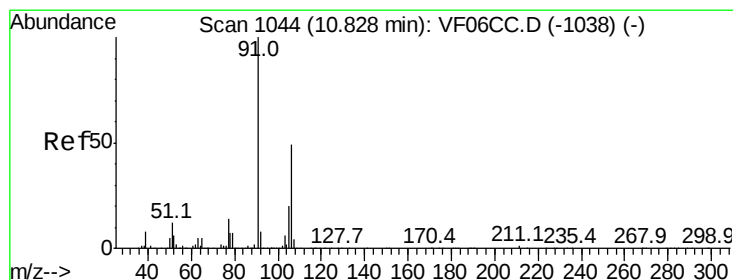
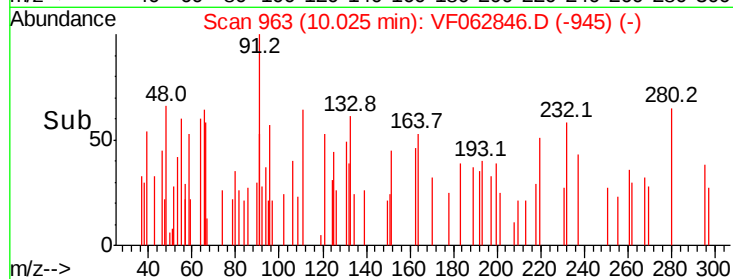
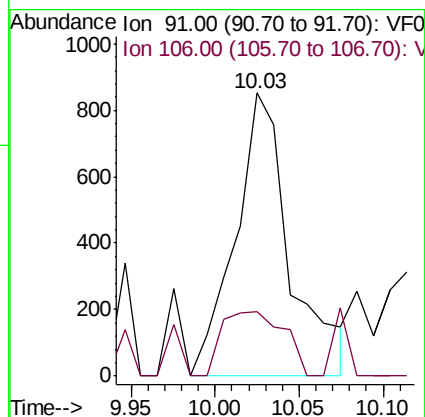
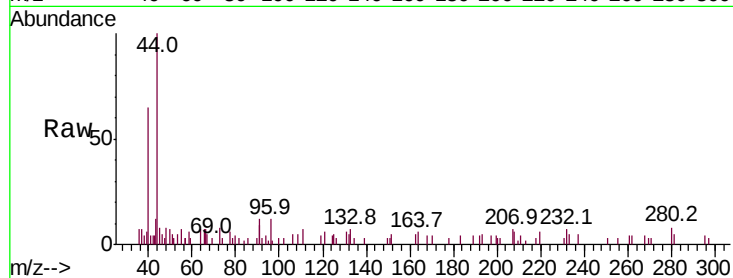




#67
Ethyl Benzene
Concen: 1.124 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

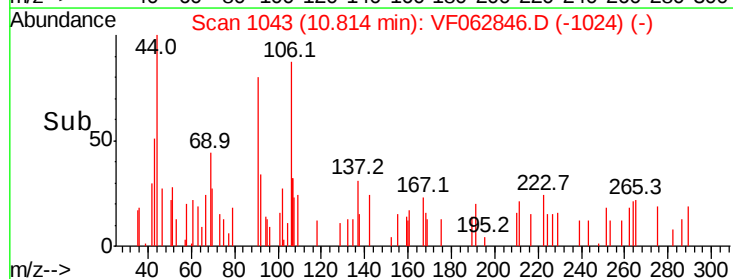
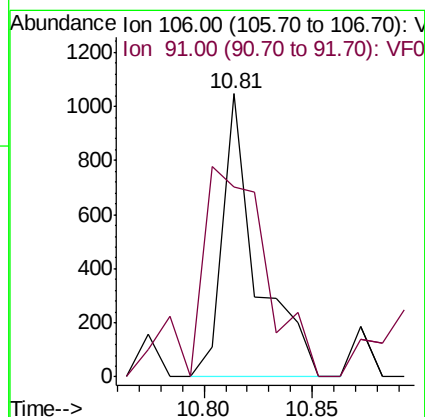
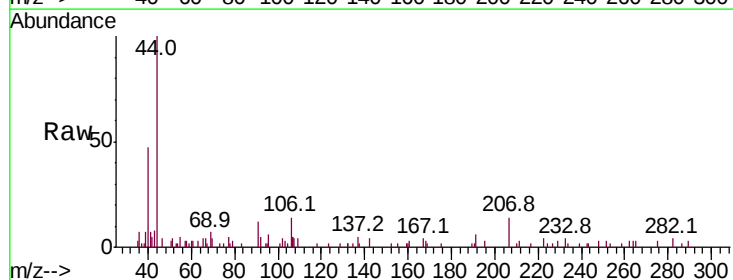
Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-B

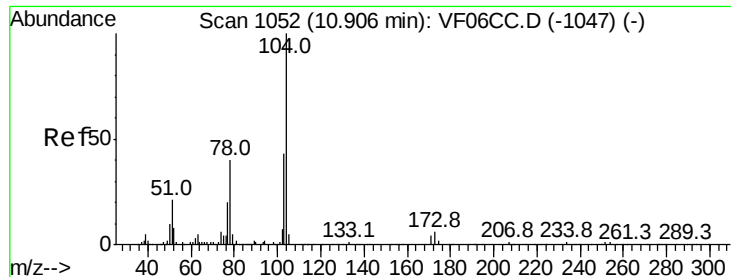
Tot Ion: 91 Resp: 1920
Ion Ratio Lower Upper
91 100
106 22.5 26.0 39.0#



#69
o-Xylene
Concen: 1.738 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

Tgt Ion: 106 Resp: 1150
Ion Ratio Lower Upper
106 100
91 67.0 96.6 289.8#





#70

Stvrene

Concen: 4.110 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.03 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

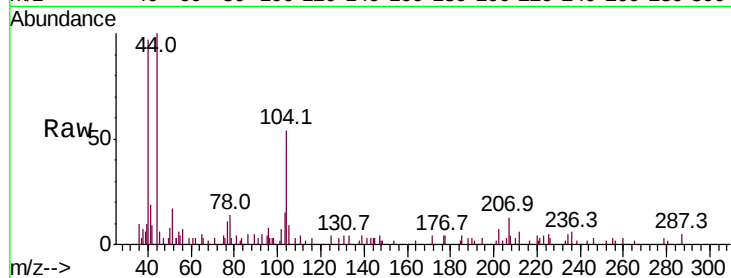
Tot Ion:104 Resp: 4009

Ion Ratio Lower Upper

104 100

78 24.9 30.8 46.2#

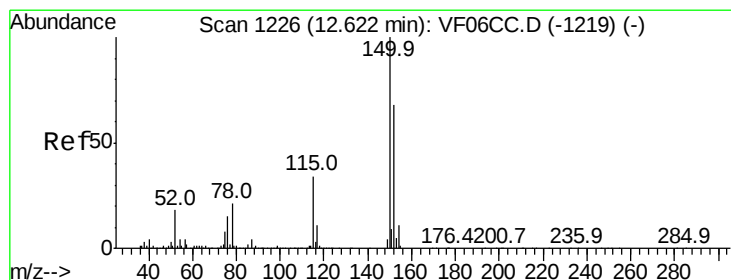
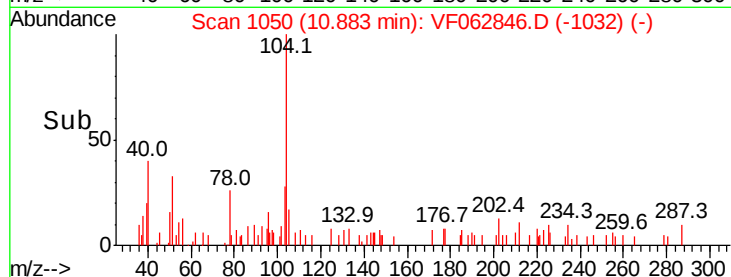
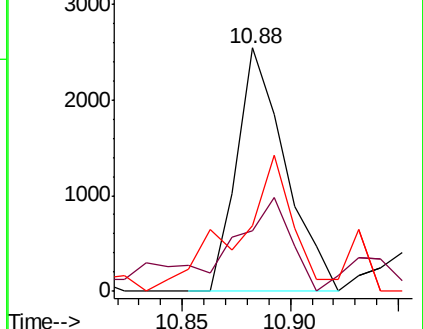
103 27.1 35.8 53.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

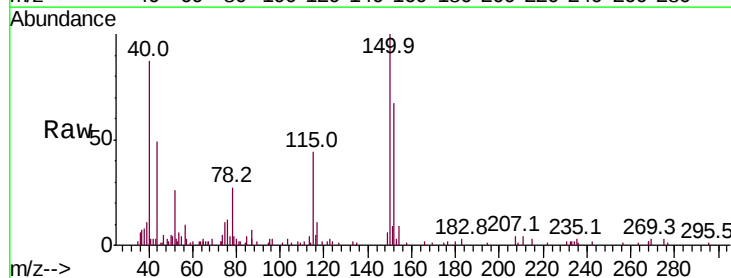
Tgt Ion:152 Resp: 8568

Ion Ratio Lower Upper

152 100

115 65.4 24.6 74.0

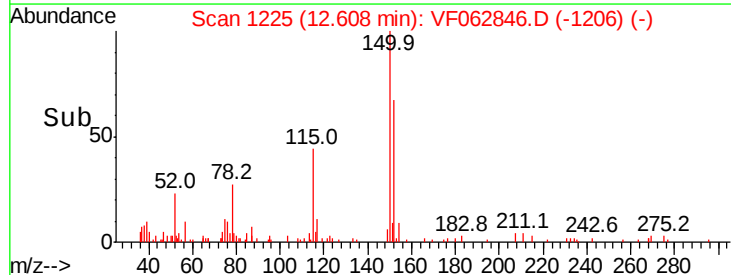
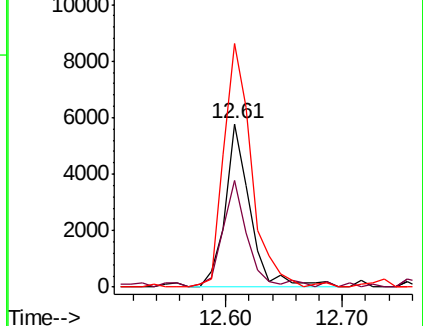
150 149.4 0.0 290.6

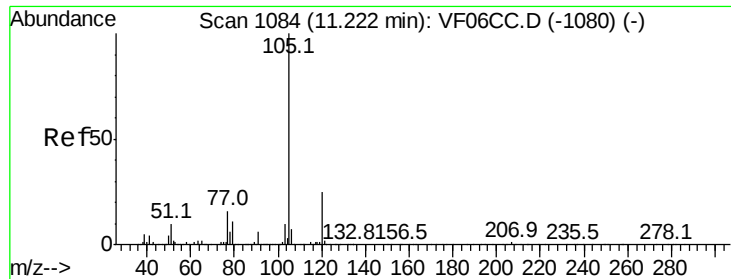


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 2.086 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

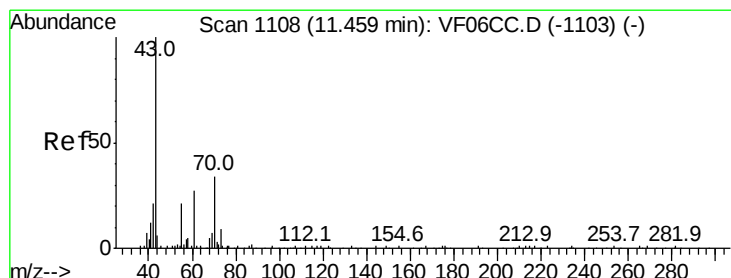
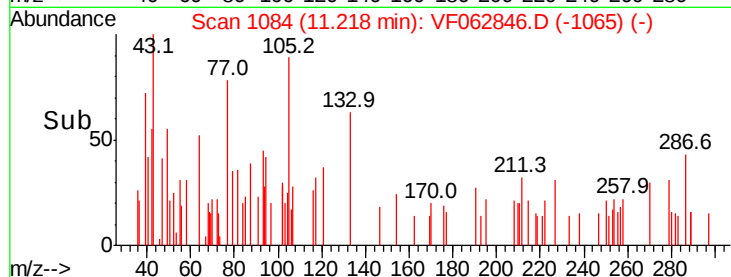
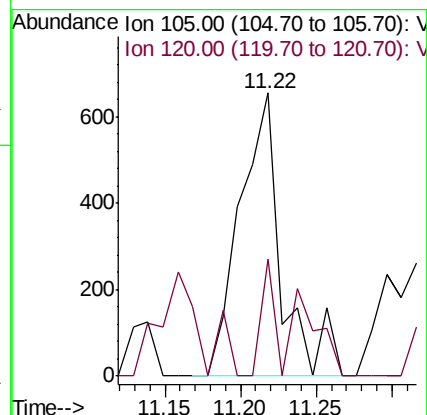
FK-SF-01-005-B

Tot Ion:105 Resp: 1247

Ion Ratio Lower Upper

105 100

120 41.4 15.1 45.3



#74

N-ethyl acetate

Concen: 5.418 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.03 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Tgt Ion: 43 Resp: 913

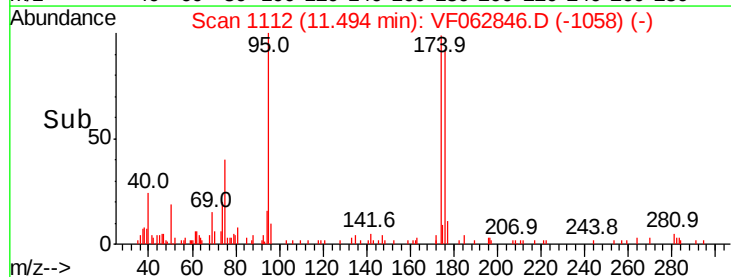
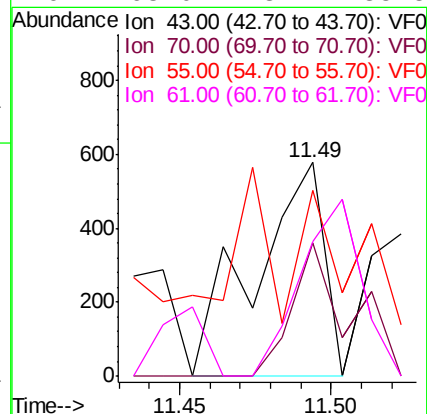
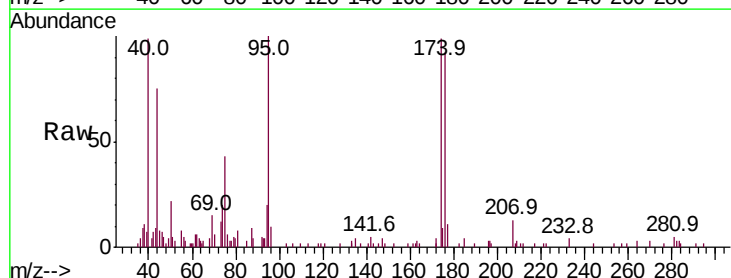
Ion Ratio Lower Upper

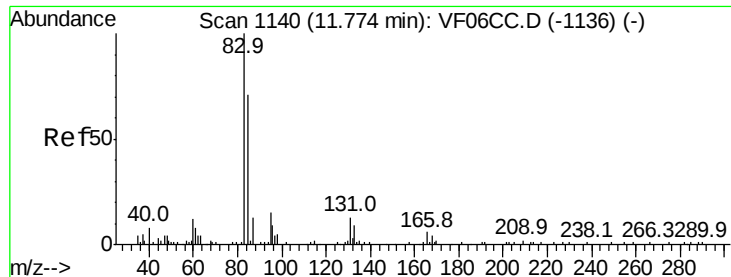
43 100

70 62.6 32.9 49.3#

55 87.0 17.3 25.9#

61 63.0 23.7 35.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.371 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

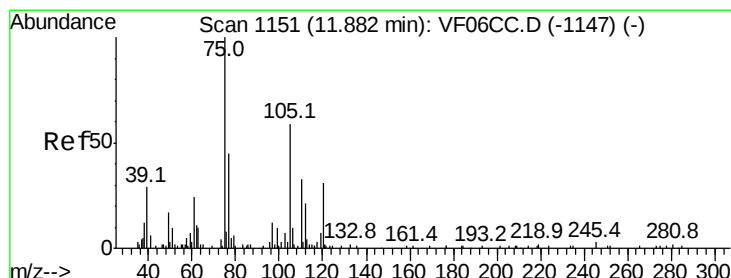
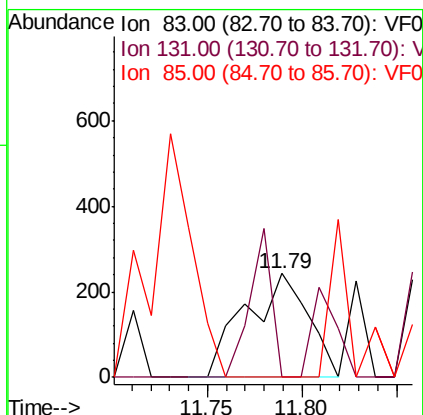
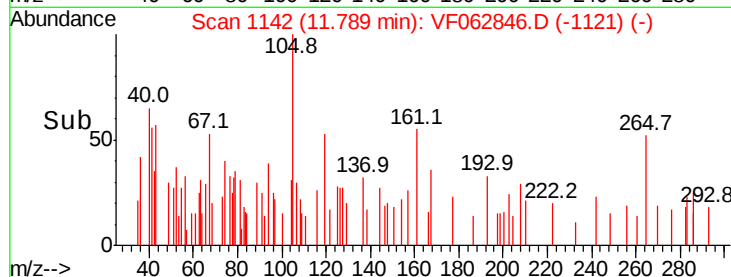
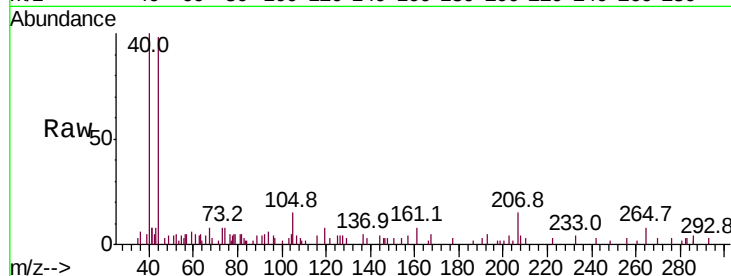
Tot Ion: 83 Resp: 558

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 2.422 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062846.D

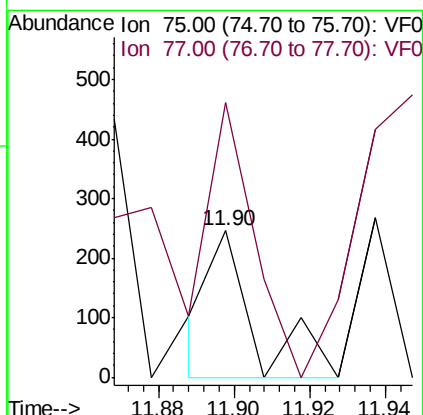
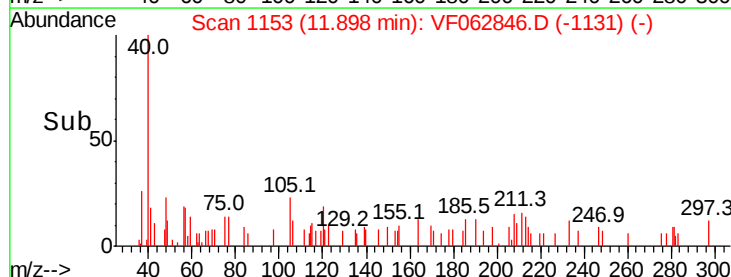
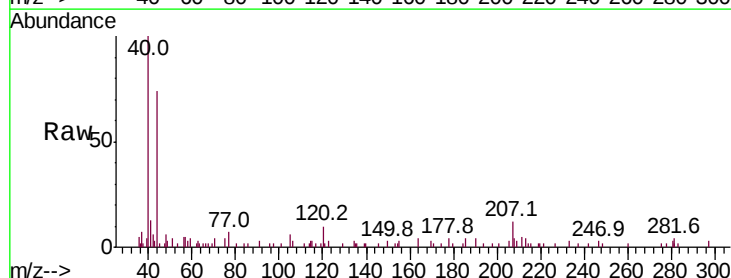
Acq: 4 Jun 2019 18:38

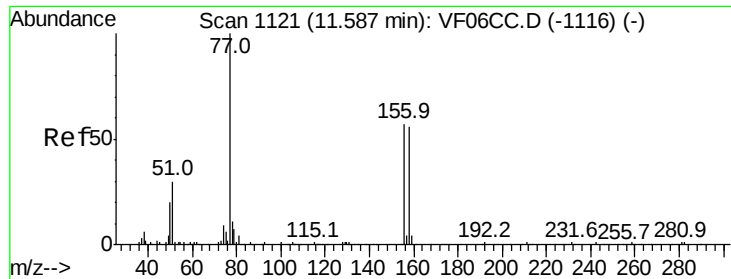
Tgt Ion: 75 Resp: 205

Ion Ratio Lower Upper

75 100

77 187.4 20.1 60.2#





#77

Bromobenzene

Concen: 2.144 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

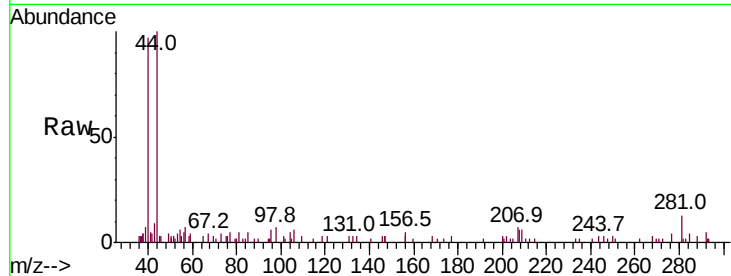
Tot Ion:156 Resp: 322

Ion Ratio Lower Upper

156 100

77 63.5 64.2 192.6#

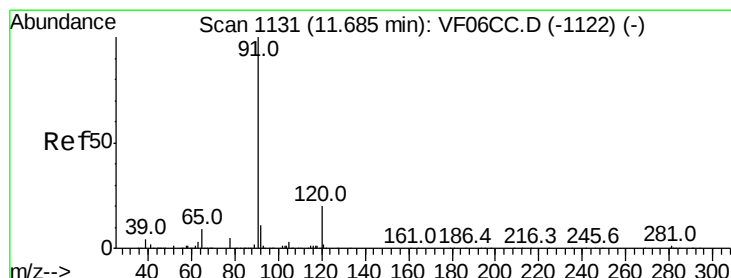
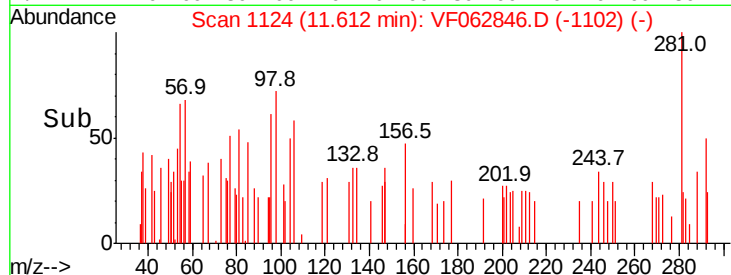
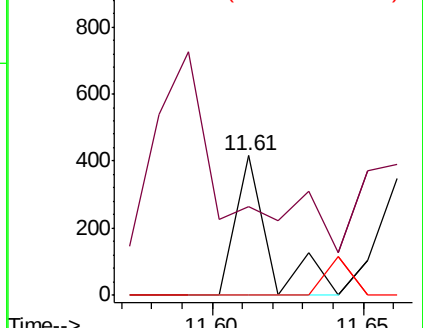
158 0.0 50.3 151.0#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 2.268 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062846.D

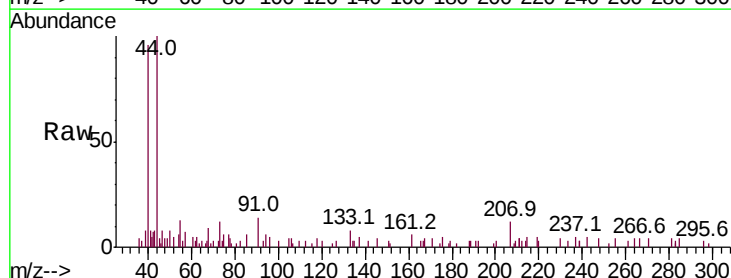
Acq: 4 Jun 2019 18:38

Tgt Ion: 91 Resp: 1637

Ion Ratio Lower Upper

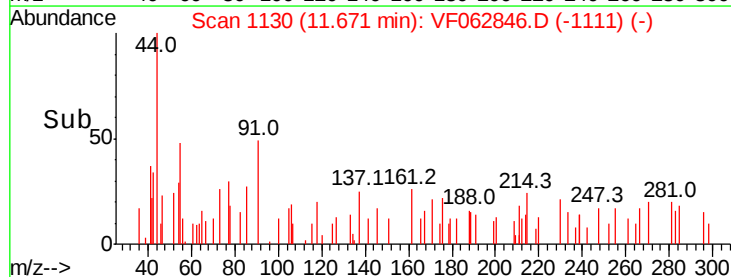
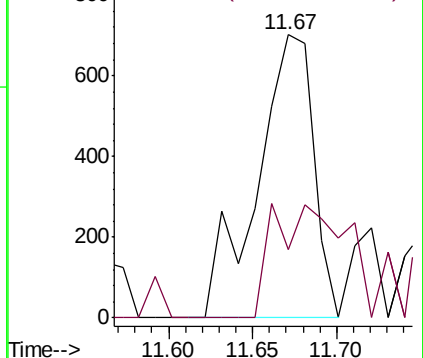
91 100

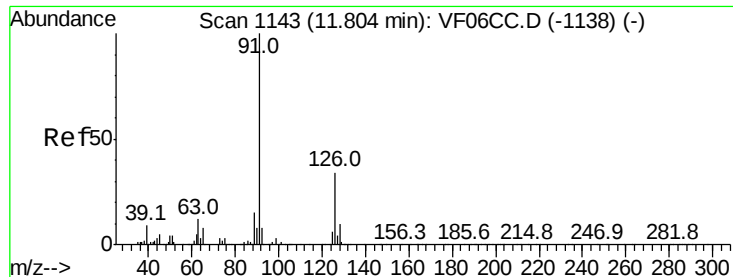
120 24.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

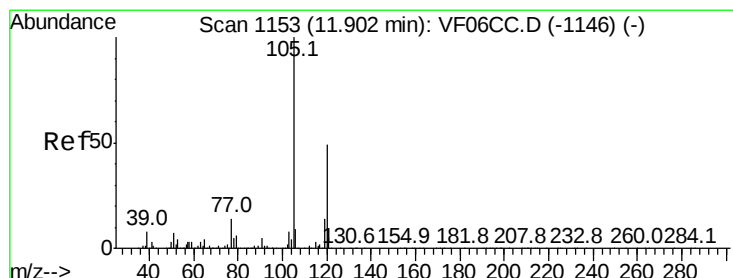
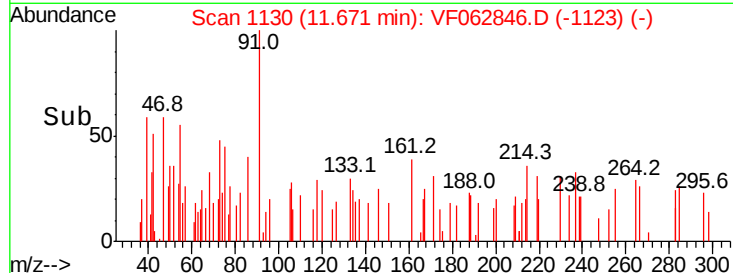
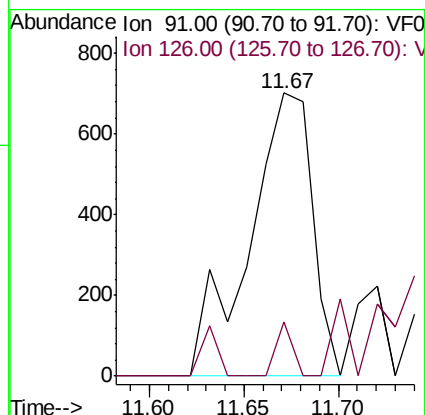
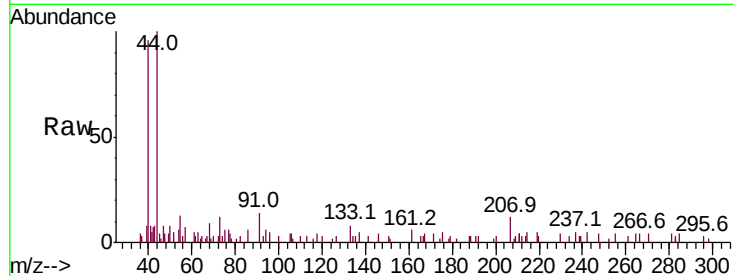




#79
2-Chlorotoluene
Concen: 3.963 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.13 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

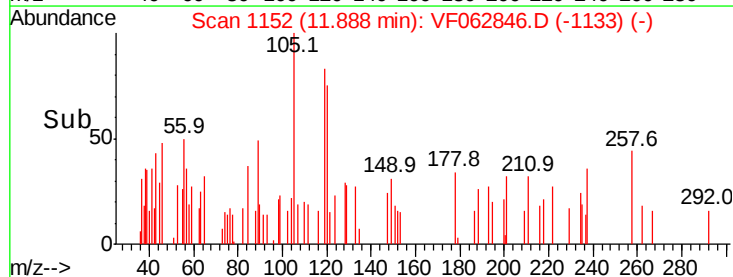
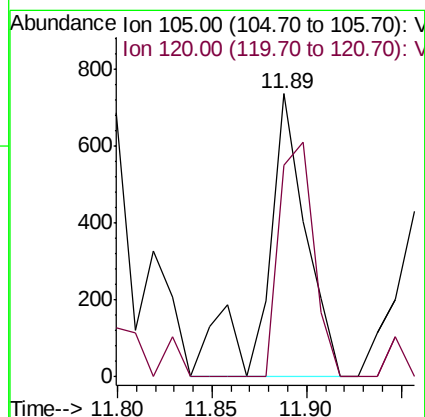
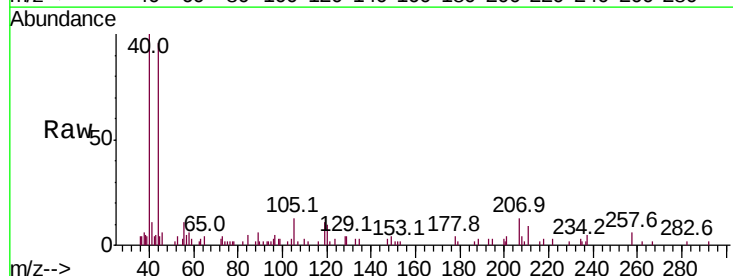
Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-B

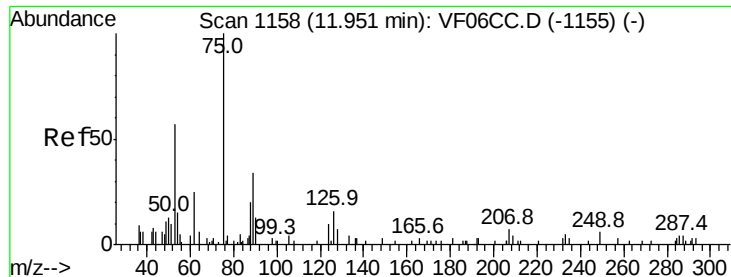
Tot Ion: 91 Resp: 1637
Ion Ratio Lower Upper
91 100
126 19.4 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 2.246 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.02 min
Lab File: VF062846.D
Acq: 4 Jun 2019 18:38

Tgt Ion: 105 Resp: 1098
Ion Ratio Lower Upper
105 100
120 75.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.438 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

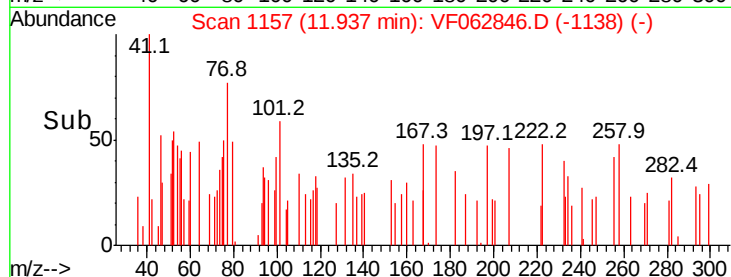
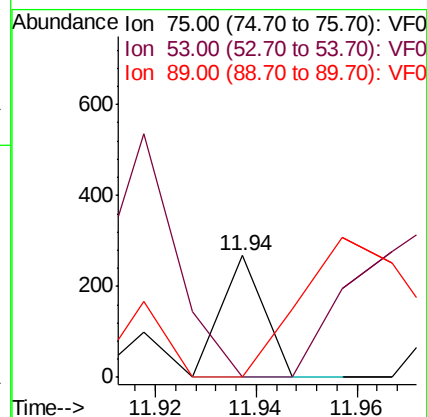
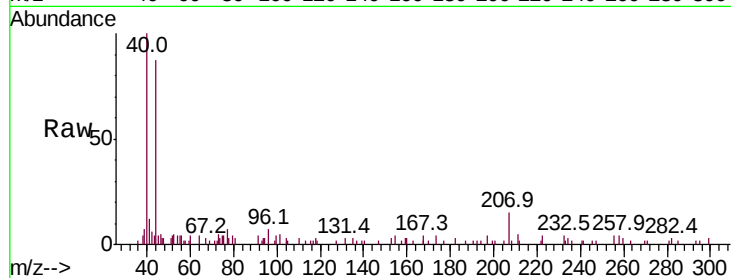
Tot Ion: 75 Resp: 159

Ion Ratio Lower Upper

75 100

53 0.0 43.5 65.3#

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 2.109 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062846.D

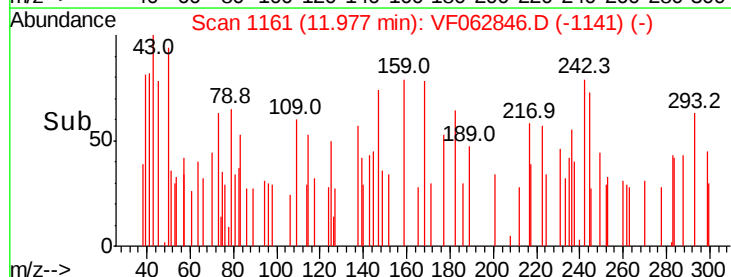
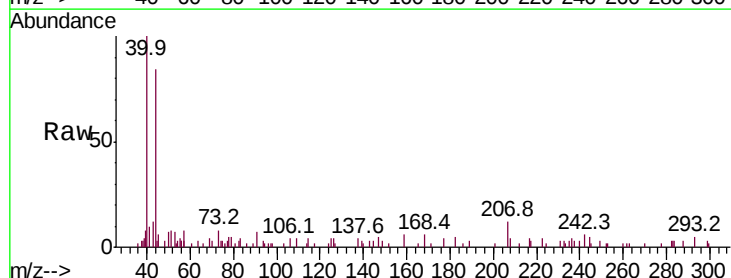
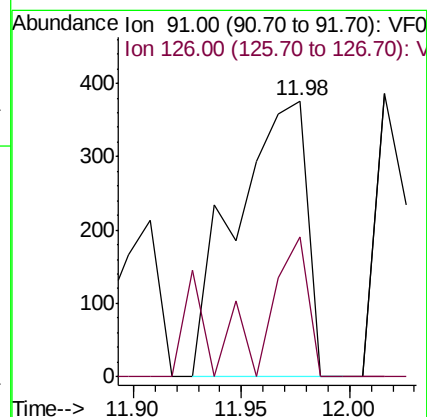
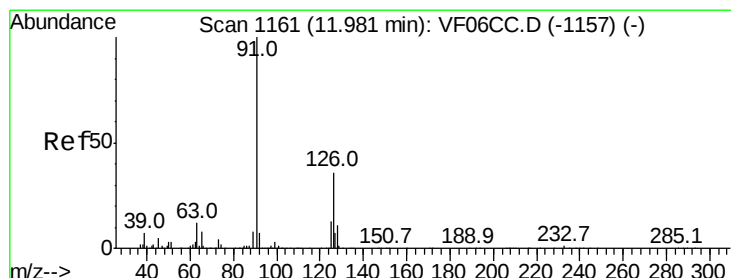
Acq: 4 Jun 2019 18:38

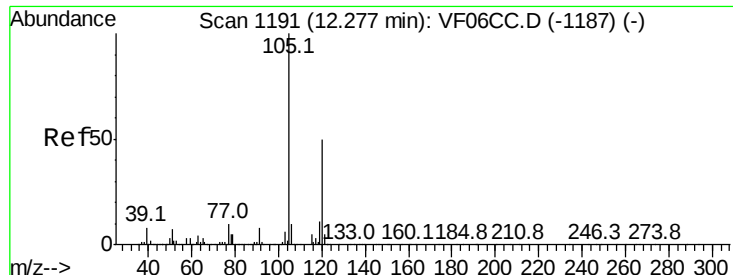
Tgt Ion: 91 Resp: 856

Ion Ratio Lower Upper

91 100

126 77.9 19.1 57.1#





#84

1,2,4-Trimethylbenzene

Concen: 4.047 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

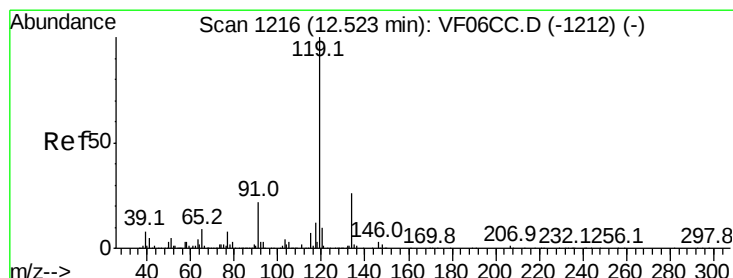
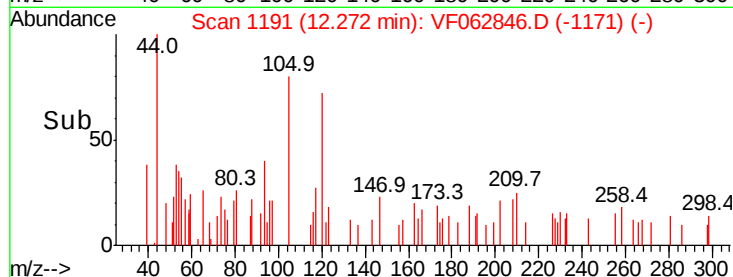
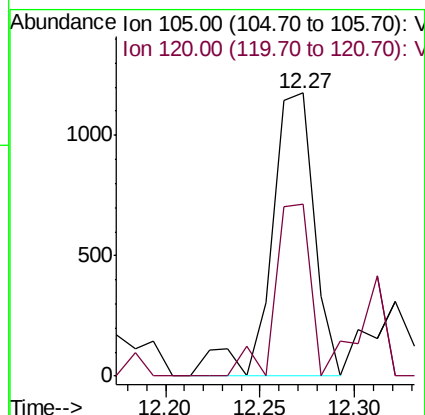
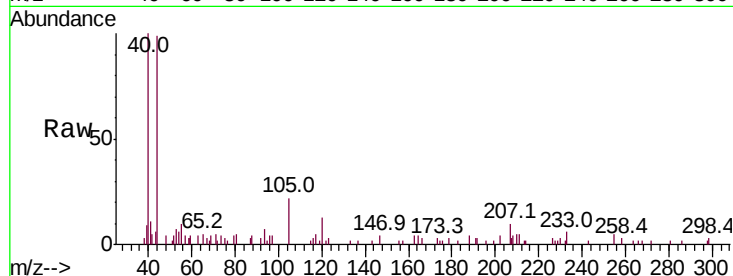
FK-SF-01-005-B

Tot Ion:105 Resp: 1876

Ion Ratio Lower Upper

105 100

120 60.9 27.1 81.3



#86

p-Isopropyltoluene

Concen: 1.675 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

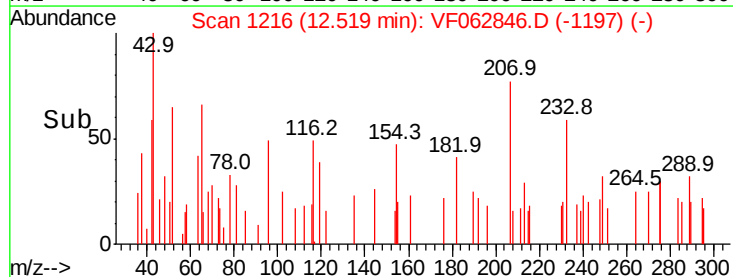
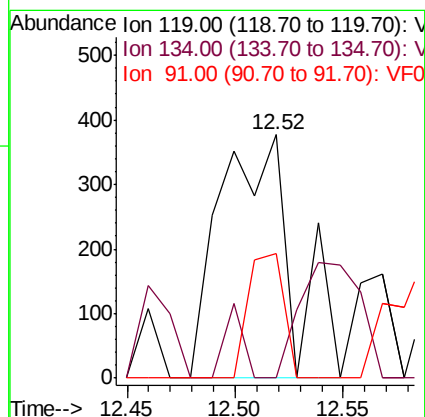
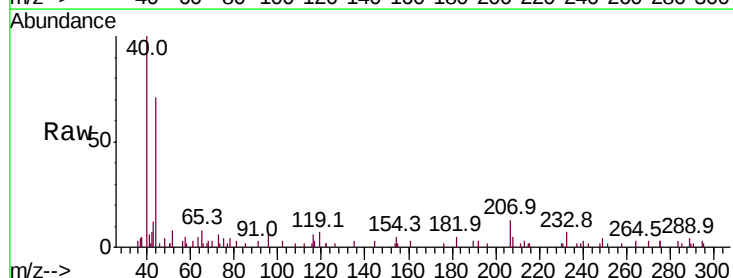
Tgt Ion:119 Resp: 890

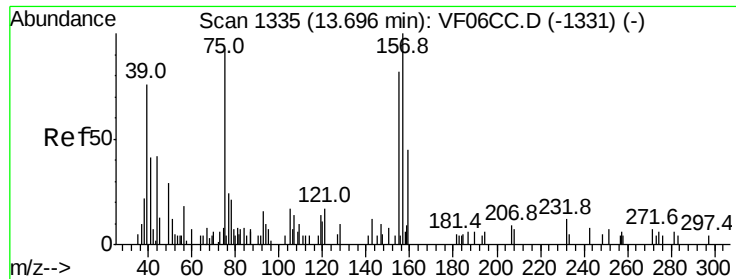
Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

91 51.5 10.3 30.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.137 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-B

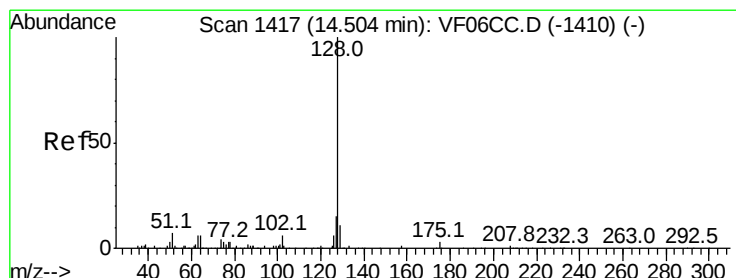
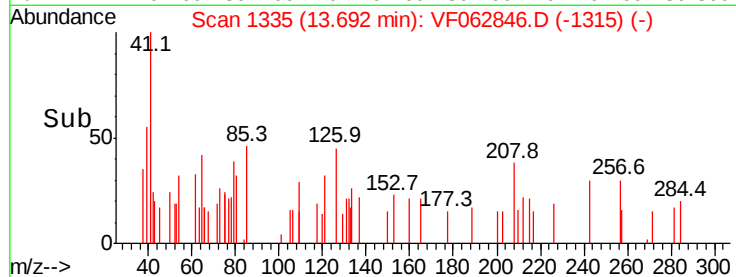
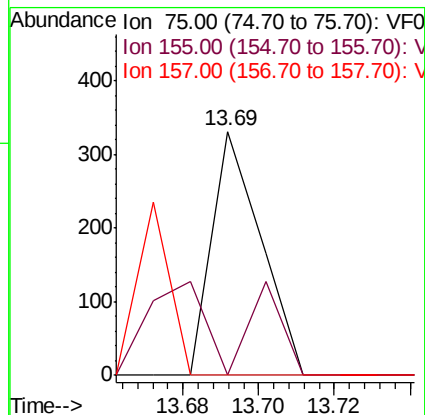
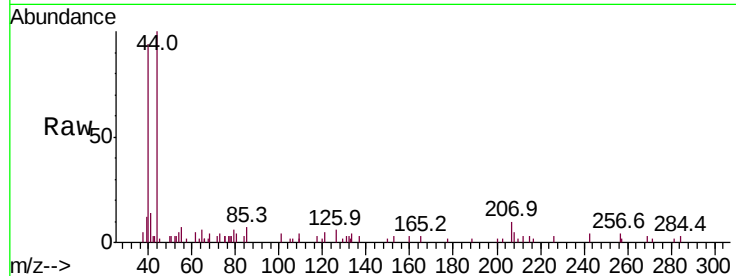
Tot Ion: 75 Resp: 294

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 0.0 66.8 200.6#



#95

Naphthalene

Concen: 1.416 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF062846.D

Acq: 4 Jun 2019 18:38

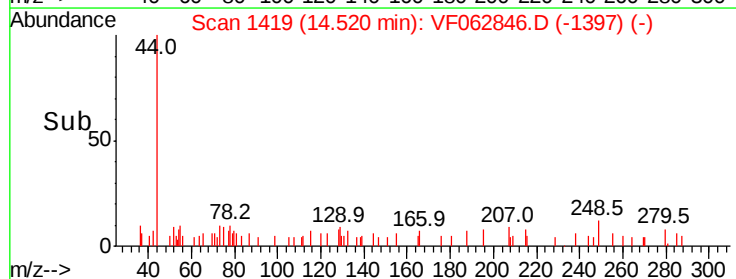
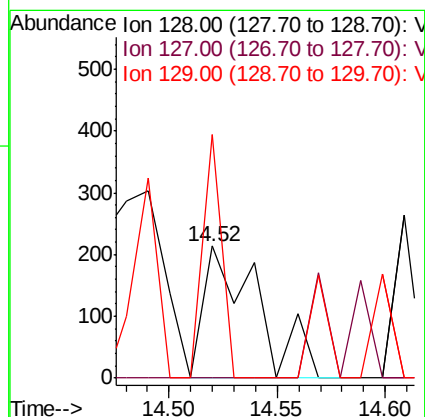
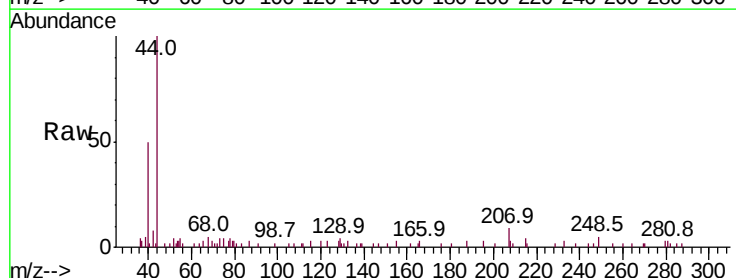
Tgt Ion:128 Resp: 371

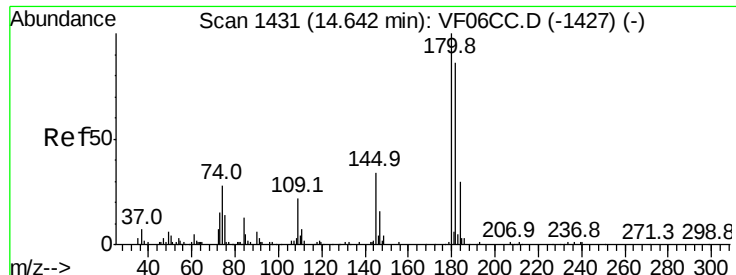
Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 184.1 9.4 14.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.350 ug/l
 RT: 14.66 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: VF062846.D
 Acq: 4 Jun 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-B

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.6	145.9#
145	0.0	15.7	47.0#

